

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
 Data File : VN056884.D
 Acq On : 23 Jul 2019 17:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 24 01:17:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	318104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	478099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	430812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	190558	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	190144	56.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.08%	
35) Dibromofluoromethane	7.59	113	169843	56.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.10%	
50) Toluene-d8	10.09	98	640838	55.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.56%	
62) 4-Bromofluorobenzene	12.40	95	214548	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	202687	52.151	ug/l	99
3) Chloromethane	2.06	50	232302	52.325	ug/l	100
4) Vinyl Chloride	2.18	62	211809	51.934	ug/l	99
5) Bromomethane	2.55	94	121084	48.810	ug/l	97
6) Chloroethane	2.70	64	115562	51.705	ug/l	99
7) Trichlorofluoromethane	3.01	101	261404	52.464	ug/l	99
8) Diethyl Ether	3.41	74	98320	52.959	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	164491	53.382	ug/l	100
10) Methyl Iodide	3.94	142	239170	55.202	ug/l	99
11) Tert butyl alcohol	4.81	59	142643	295.939	ug/l	98
12) 1,1-Dichloroethene	3.72	96	163219	52.873	ug/l	99
13) Acrolein	3.60	56	90450	225.532	ug/l	97
14) Allyl chloride	4.31	41	271117	53.420	ug/l	100
15) Acrylonitrile	4.99	53	415636	286.574	ug/l	99
16) Acetone	3.82	43	314413	257.322	ug/l	100
17) Carbon Disulfide	4.04	76	424061	50.330	ug/l	99
18) Methyl Acetate	4.33	43	231801	58.182	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	498828	54.694	ug/l	99
20) Methylene Chloride	4.54	84	188342	51.550	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	171109	53.063	ug/l	98
22) Diisopropyl ether	5.96	45	566384	55.201	ug/l	99
23) Vinyl Acetate	5.90	43	2097920	283.062	ug/l	100
24) 1,1-Dichloroethane	5.85	63	323452	54.412	ug/l	99
25) 2-Butanone	6.84	43	517833	288.327	ug/l	99
26) 2,2-Dichloropropane	6.82	77	223323	53.688	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	200376	54.203	ug/l	99
28) Bromochloromethane	7.19	49	156587	58.030	ug/l	100
29) Tetrahydrofuran	7.22	42	353975	286.662	ug/l	99
30) Chloroform	7.37	83	315925	53.014	ug/l	99
31) Cyclohexane	7.65	56	300192	52.051	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	263226	54.601	ug/l	99
36) 1,1-Dichloropropene	7.79	75	239635	54.351	ug/l	99
37) Ethyl Acetate	6.93	43	214383	60.295	ug/l	99
38) Carbon Tetrachloride	7.77	117	227806	54.275	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	299755	54.331	ug/l	98
40) Benzene	8.04	78	737672	53.862	ug/l	98
41) Methacrylonitrile	7.17	41	104200	59.025	ug/l	95
42) 1,2-Dichloroethane	8.12	62	232661	54.370	ug/l	100
43) Isopropyl Acetate	8.17	43	348150	56.958	ug/l	100
44) Trichloroethene	8.83	130	200204	54.581	ug/l	99
45) 1,2-Dichloropropane	9.12	63	199348	54.032	ug/l	97
46) Dibromomethane	9.21	93	123604	54.278	ug/l	100
47) Bromodichloromethane	9.40	83	236384	55.197	ug/l	99
48) Methyl methacrylate	9.20	41	172985	56.573	ug/l	99
49) 1,4-Dioxane	9.20	88	67287	1121.862	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1060515	290.954	ug/l	100
52) Toluene	10.15	92	453382	55.013	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	253255	57.619	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	290422	56.047	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	178441	54.551	ug/l	99
56) Ethyl methacrylate	10.43	69	266016	58.583	ug/l	99
57) 1,3-Dichloropropane	10.71	76	301486	55.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	563680	263.334	ug/l	100
59) 2-Hexanone	10.75	43	747554	296.295	ug/l	99
60) Dibromochloromethane	10.90	129	186609	56.852	ug/l	99
61) 1,2-Dibromoethane	11.00	107	183054	56.348	ug/l	100
64) Tetrachloroethene	10.63	164	204562	55.349	ug/l	99
65) Chlorobenzene	11.43	112	482930	53.942	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	183847	54.470	ug/l	99
67) Ethyl Benzene	11.51	91	859721	55.627	ug/l	99
68) m/p-Xylenes	11.62	106	639797	110.577	ug/l	98
69) o-Xylene	11.95	106	308780	54.668	ug/l	98
70) Styrene	11.96	104	525084	52.946	ug/l	99
71) Bromoform	12.13	173	132779	56.769	ug/l #	98
73) Isopropylbenzene	12.25	105	826742	57.724	ug/l	100
74) N-amyl acetate	12.07	43	292075	52.202	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	240873	58.924	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	295841	74.912	ug/l #	100
77) Bromobenzene	12.53	156	219879	52.899	ug/l	100
78) n-propylbenzene	12.59	91	917016	52.355	ug/l	100
79) 2-Chlorotoluene	12.67	91	546334	57.180	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	694362	57.283	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	70643	57.292	ug/l	98
82) 4-Chlorotoluene	12.77	91	533196	51.167	ug/l	99
83) tert-Butylbenzene	12.99	119	600144	57.092	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	691032	52.344	ug/l	100
85) sec-Butylbenzene	13.17	105	786546	50.699	ug/l	100
86) p-Isopropyltoluene	13.29	119	716546	51.846	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	345331	51.829	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	337982	52.216	ug/l	100
89) n-Butylbenzene	13.61	91	579107	54.499	ug/l	100
90) Hexachloroethane	13.87	117	122383	50.719	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	347526	51.894	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39115	53.646	ug/l	97

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QLast Update : Tue Jul 23 01:46:34 2019
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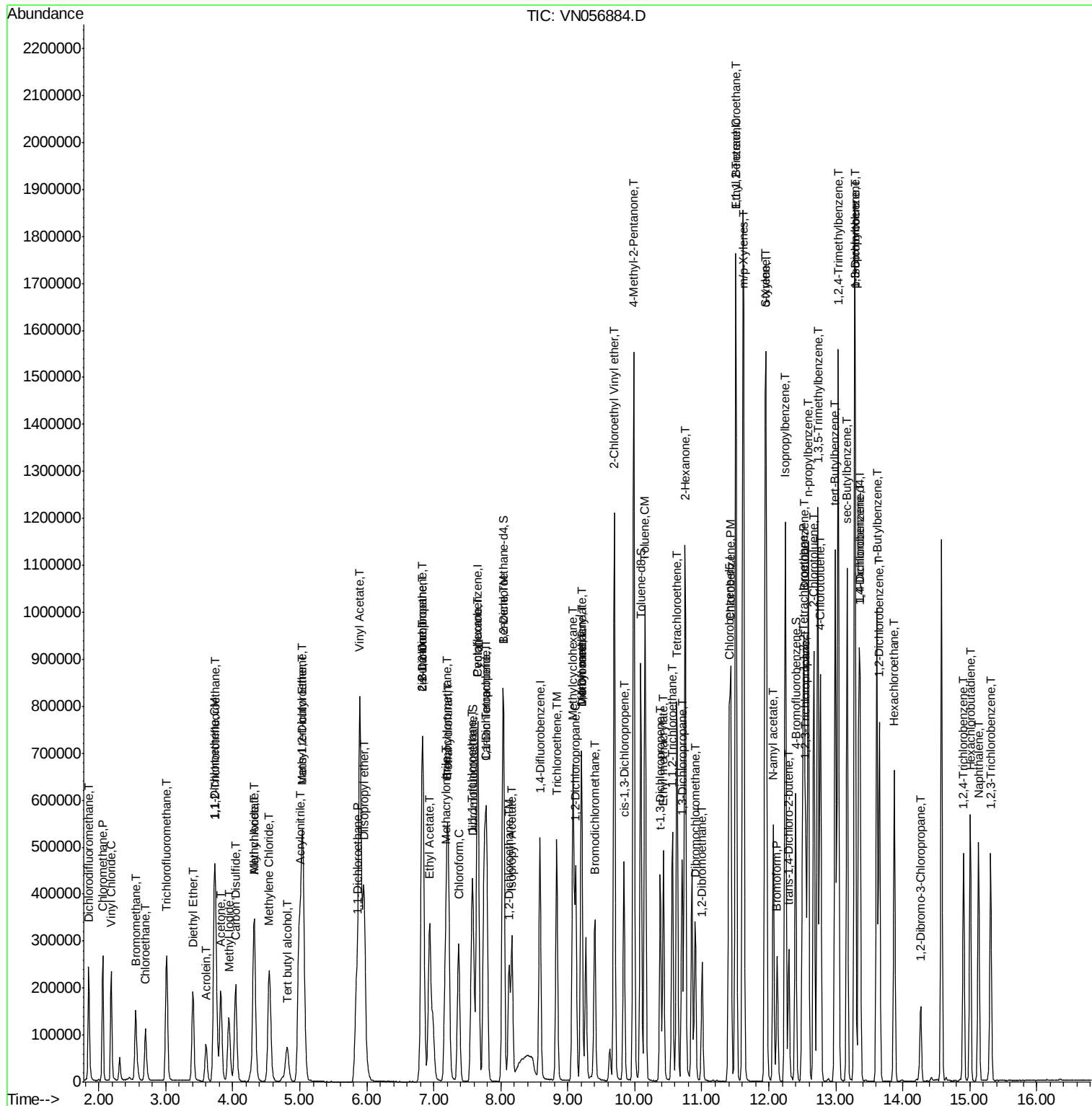
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	170586	47.607	ug/l	100
94) Hexachlorobutadiene	15.00	225	124657	56.134	ug/l	99
95) Naphthalene	15.13	128	457696	49.404	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	184506	50.190	ug/l	98

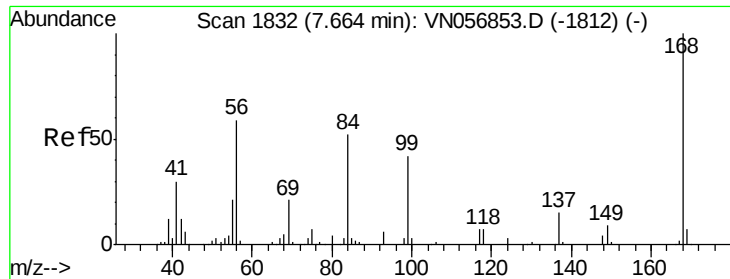
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072319\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

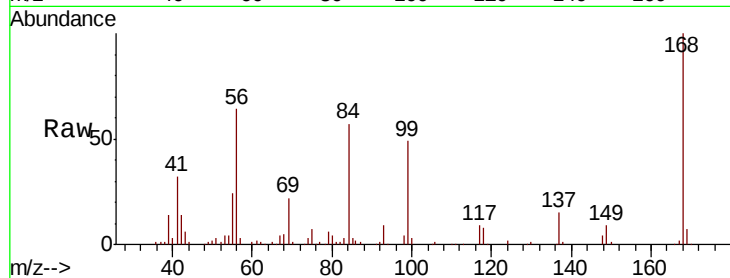
VSTDCCC050EC

Tot Ion:168 Resp: 318104

Ion Ratio Lower Upper

168 100

99 49.3 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

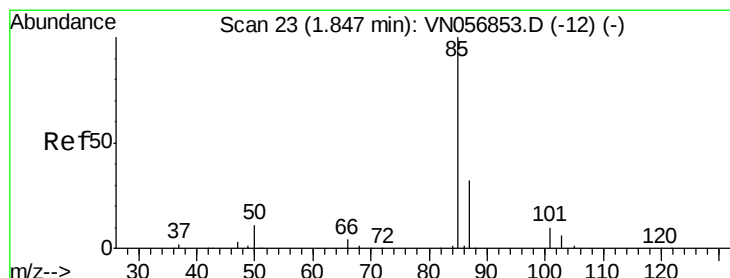
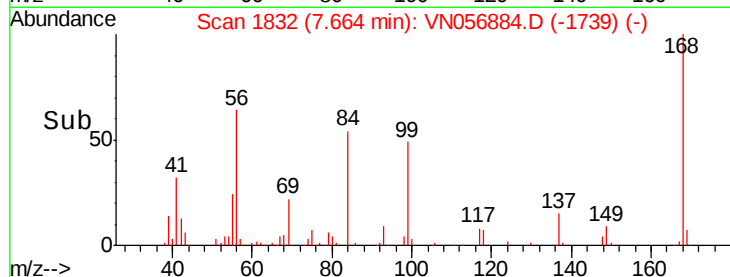
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.151 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056884.D

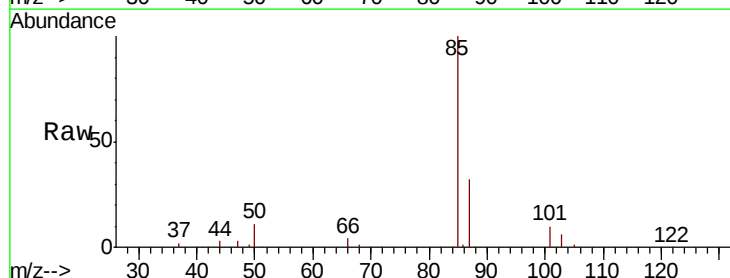
Acq: 23 Jul 2019 17:27

Tgt Ion: 85 Resp: 202687

Ion Ratio Lower Upper

85 100

87 31.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

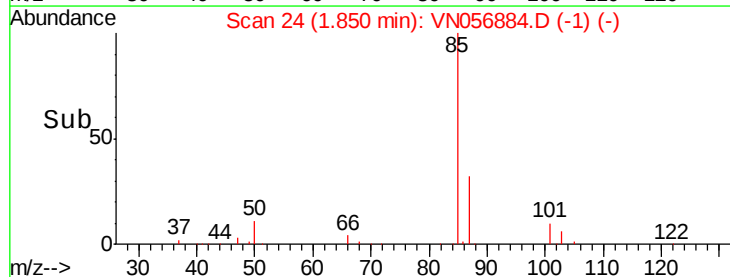
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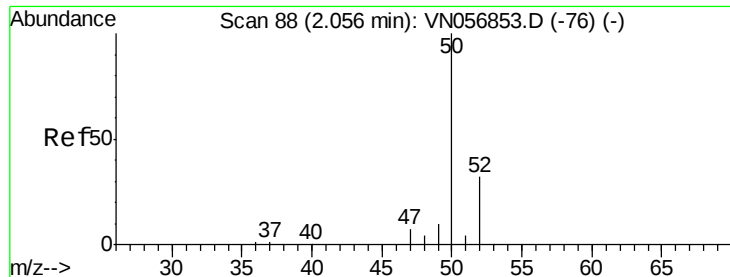
100000

50000

0

Time-->





#3

Chloromethane

Concen: 52.325 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

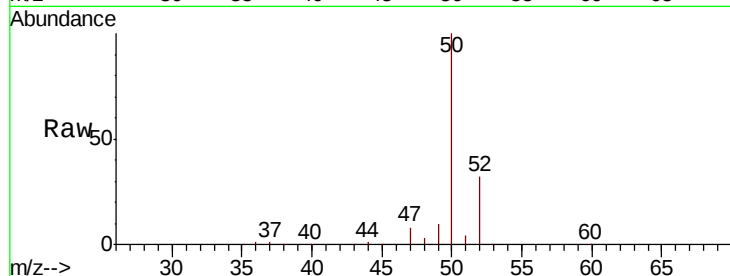
VSTDCCC050EC

Tot Ion: 50 Resp: 232302

Ion Ratio Lower Upper

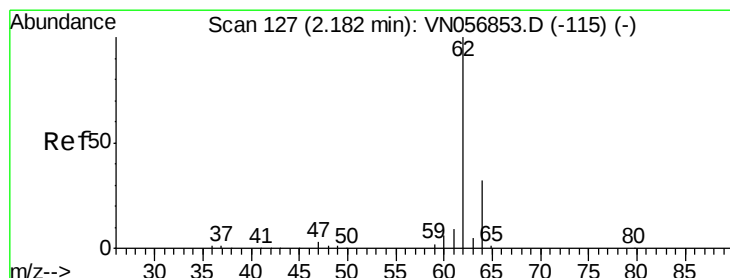
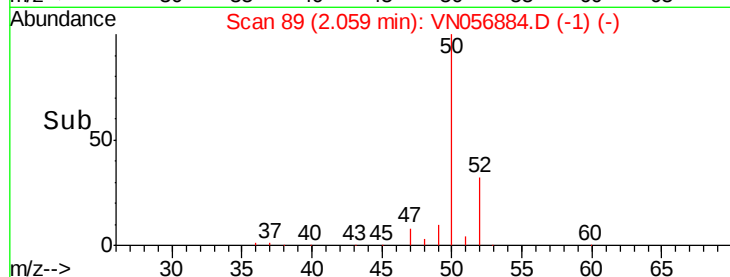
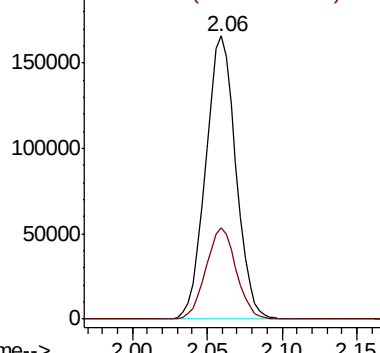
50 100

52 32.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 51.934 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056884.D

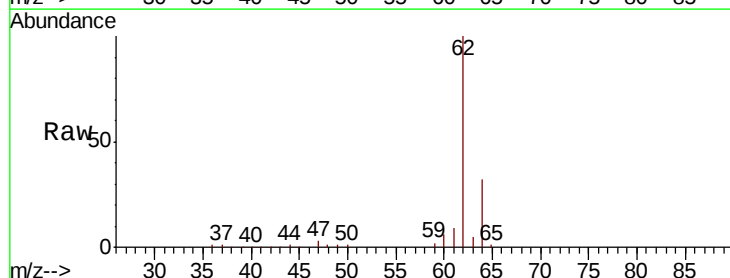
Acq: 23 Jul 2019 17:27

Tgt Ion: 62 Resp: 211809

Ion Ratio Lower Upper

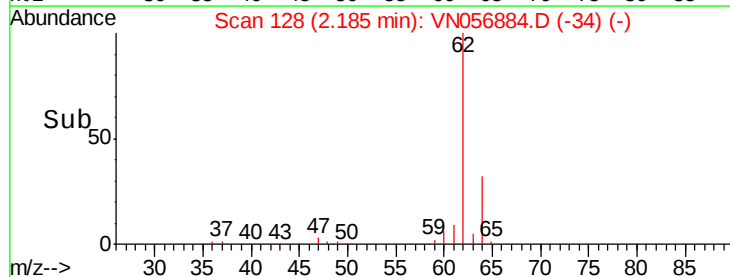
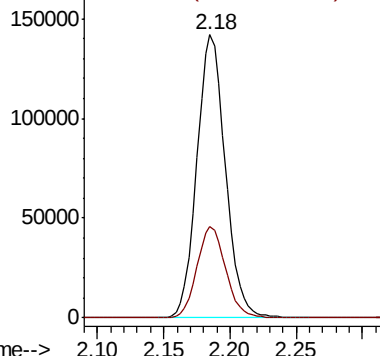
62 100

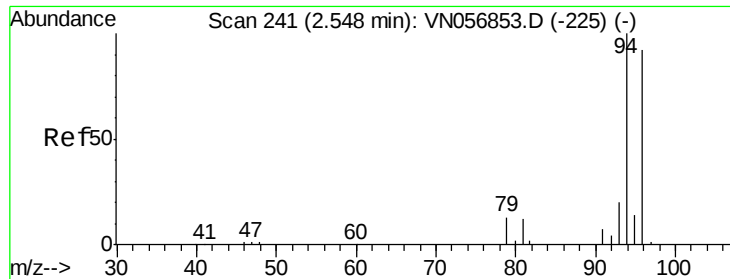
64 32.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

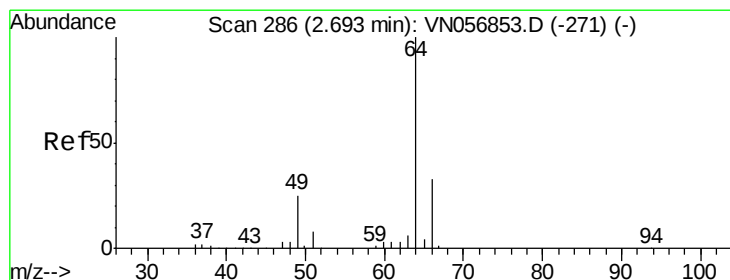
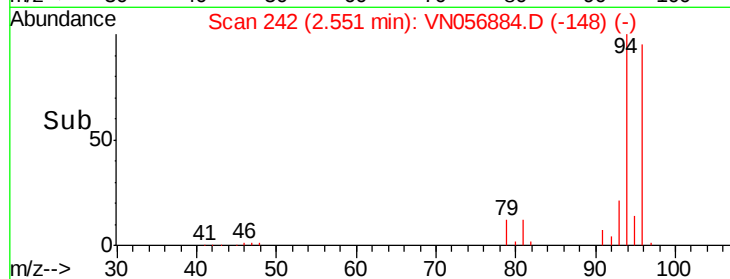
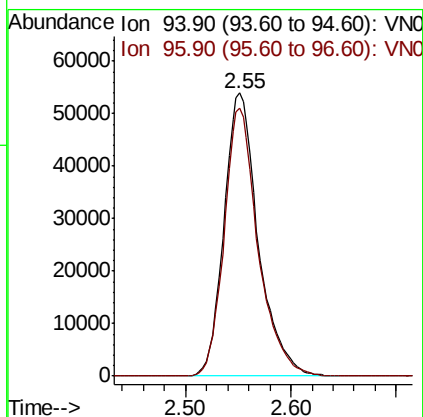
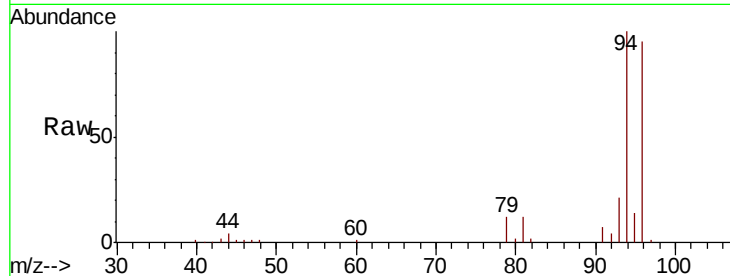




#5
Bromomethane
Concen: 48.810 ug/l
RT: 2.55 min Scan# 242
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

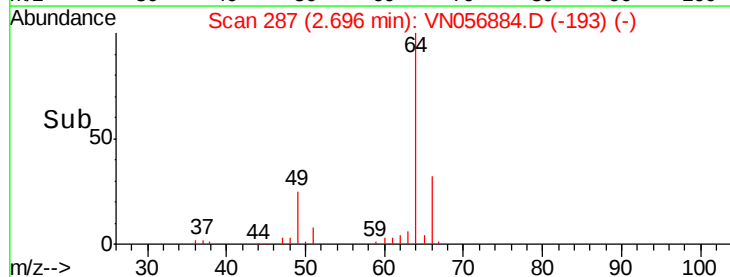
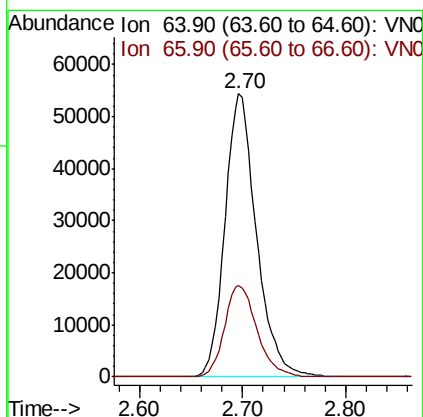
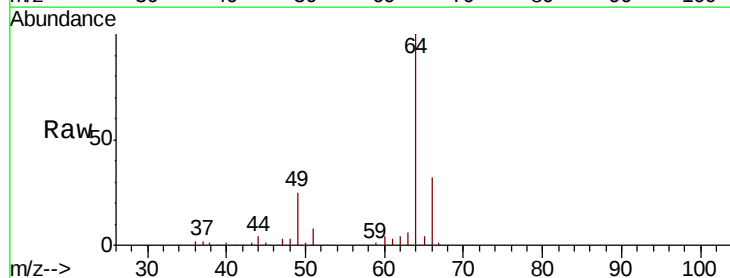
Instrument :
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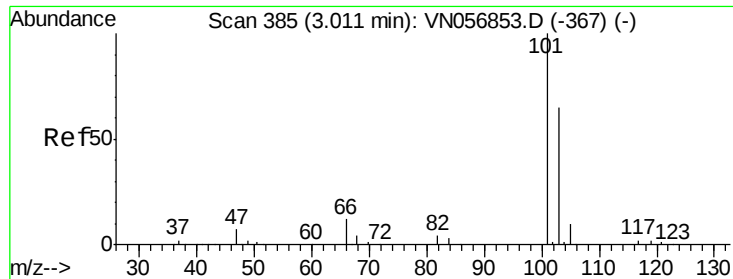
Tot Ion: 94 Resp: 121084
Ion Ratio Lower Upper
94 100
96 94.6 73.6 110.4



#6
Chloroethane
Concen: 51.705 ug/l
RT: 2.70 min Scan# 287
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 64 Resp: 115562
Ion Ratio Lower Upper
64 100
66 32.3 26.4 39.6



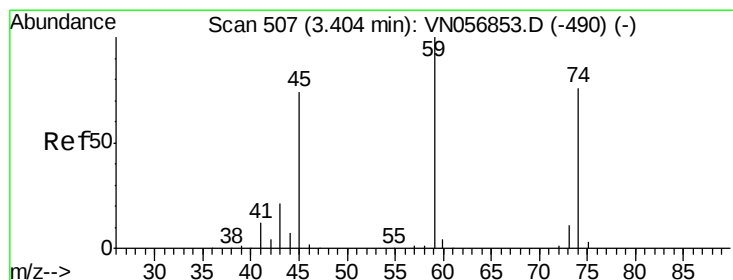
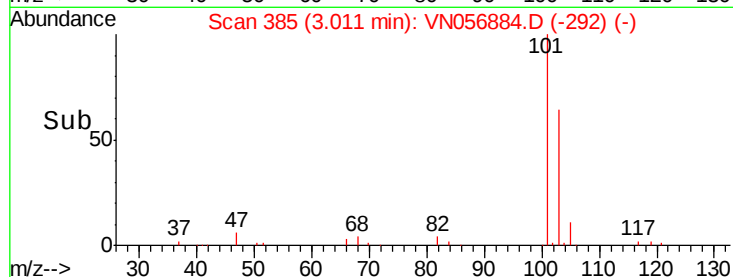
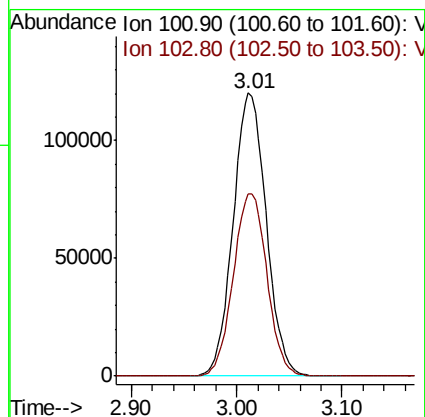
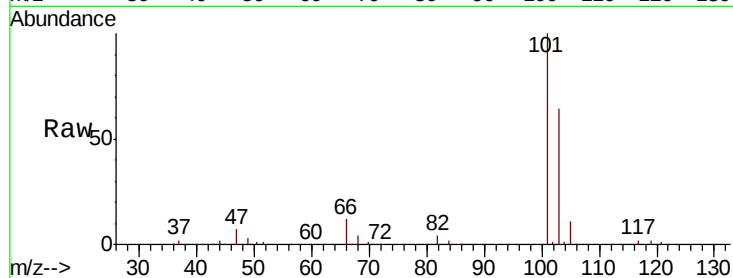


#7

Trichlorofluoromethane
Concen: 52.464 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
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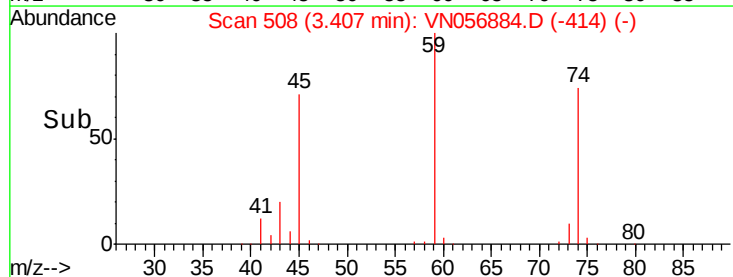
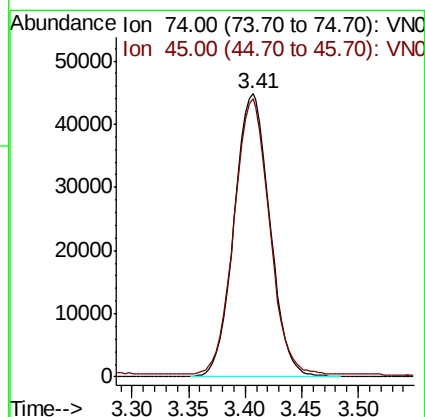
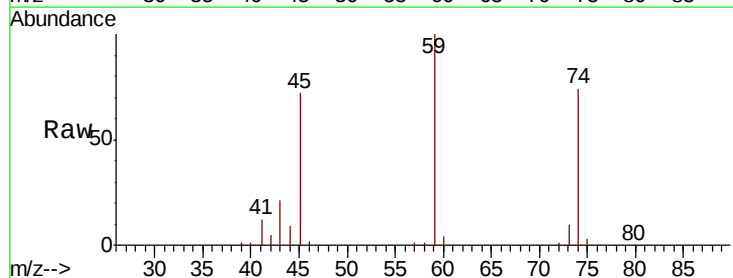
Tot Ion:101 Resp: 261404
Ion Ratio Lower Upper
101 100
103 64.5 52.3 78.5

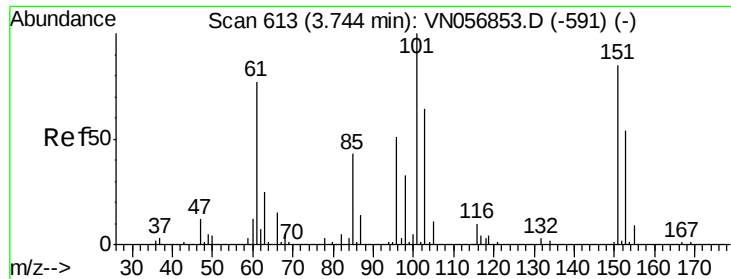


#8

Diethyl Ether
Concen: 52.959 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 74 Resp: 98320
Ion Ratio Lower Upper
74 100
45 96.2 49.2 147.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.382 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

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ClientSampleId :

VSTDCCC050EC

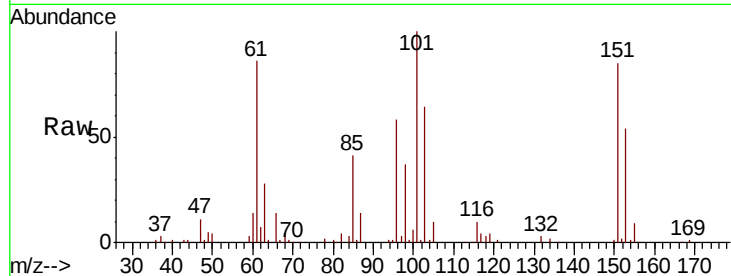
Tot Ion:101 Resp: 164491

Ion Ratio Lower Upper

101 100

85 41.9 33.7 50.5

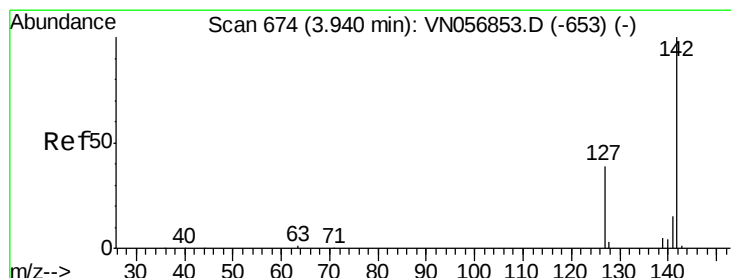
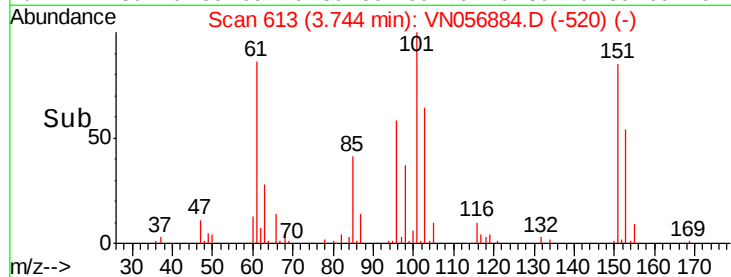
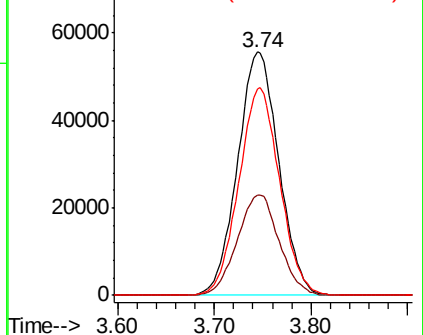
151 84.6 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.202 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

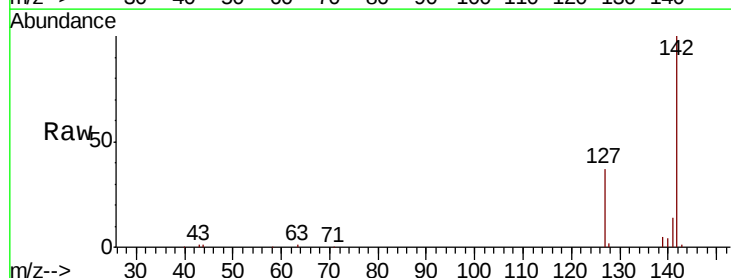
Tgt Ion:142 Resp: 239170

Ion Ratio Lower Upper

142 100

127 38.1 31.2 46.8

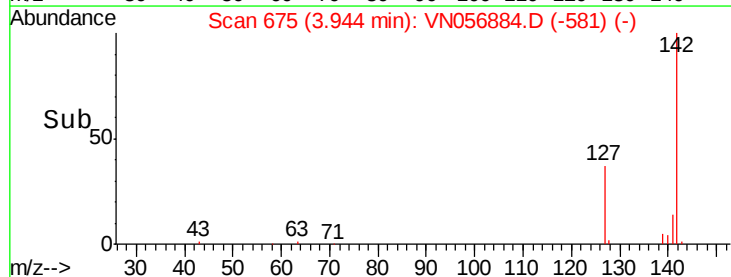
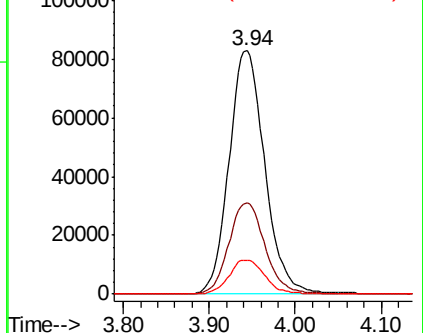
141 14.1 11.4 17.2

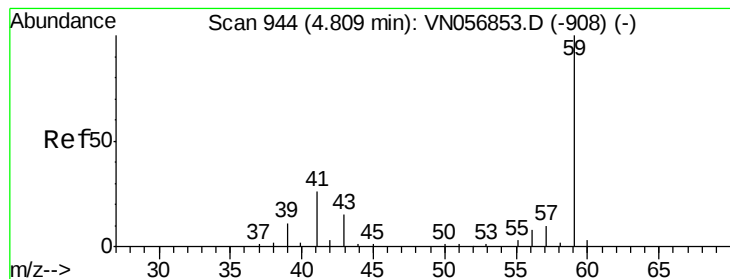


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 295.939 ug/l

RT: 4.81 min Scan# 944

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

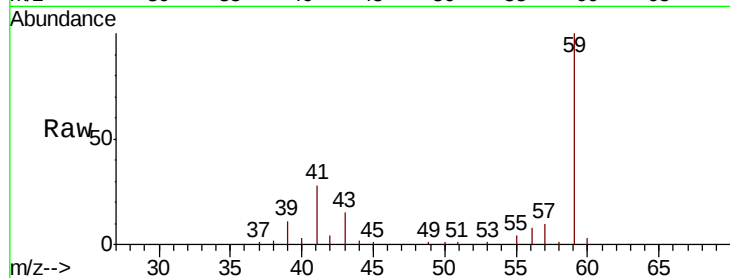
VSTDCCC050EC

Tot Ion: 59 Resp: 142643

Ion Ratio Lower Upper

59 100

57 9.4 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.81

40000

30000

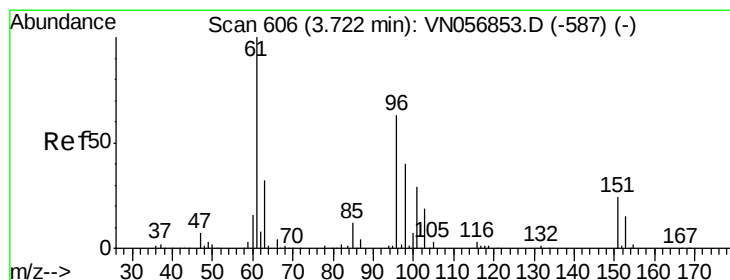
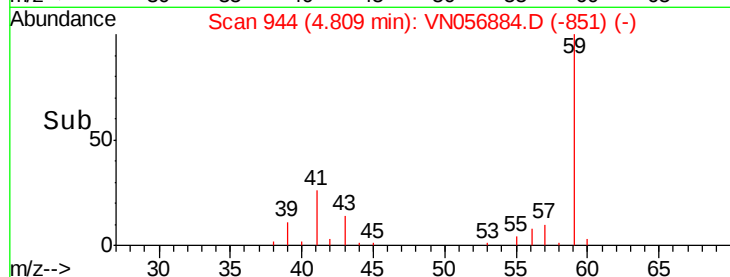
20000

10000

0

Time-->

4.60 4.70 4.80 4.90 5.00



#12

1,1-Dichloroethene

Concen: 52.873 ug/l

RT: 3.72 min Scan# 607

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

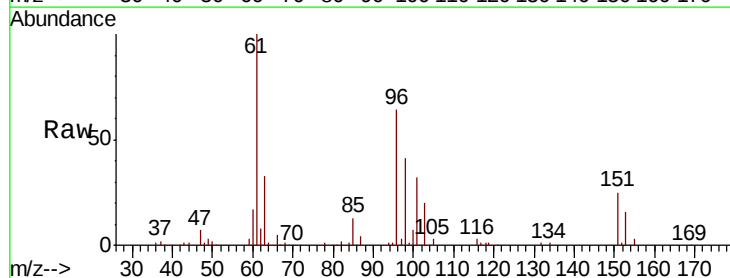
Tgt Ion: 96 Resp: 163219

Ion Ratio Lower Upper

96 100

61 156.0 126.3 189.5

98 63.4 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

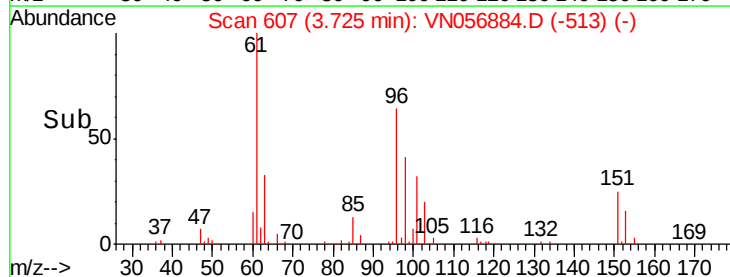
100000

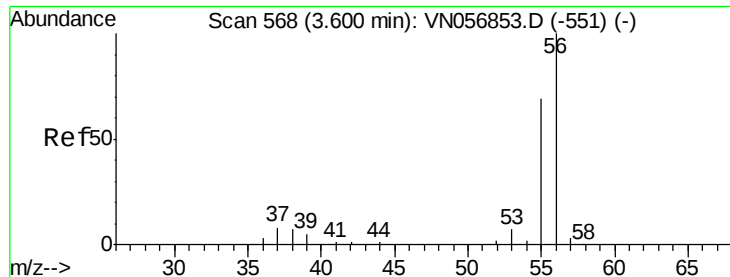
50000

0

Time-->

3.60 3.70 3.80

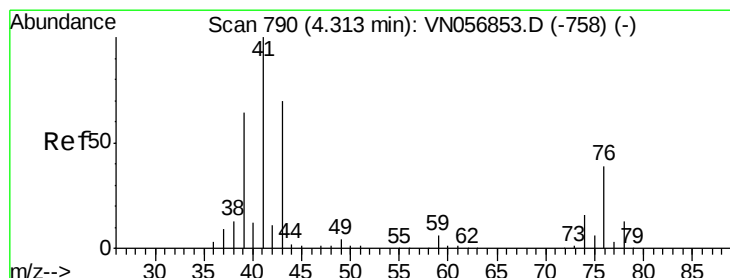
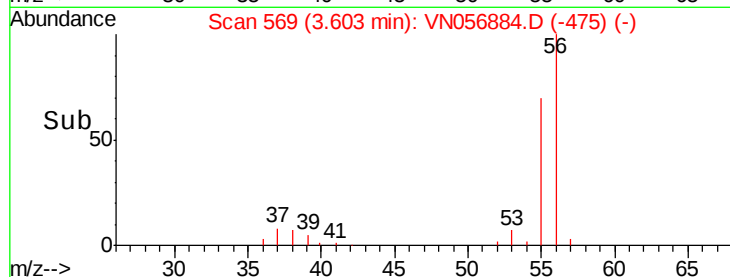
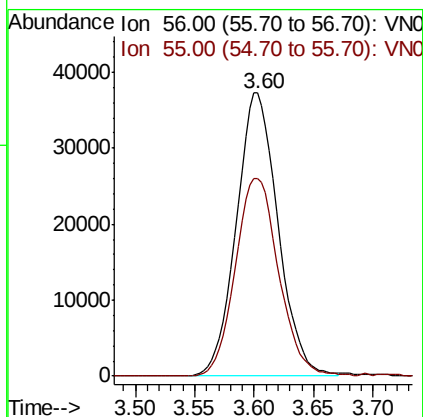
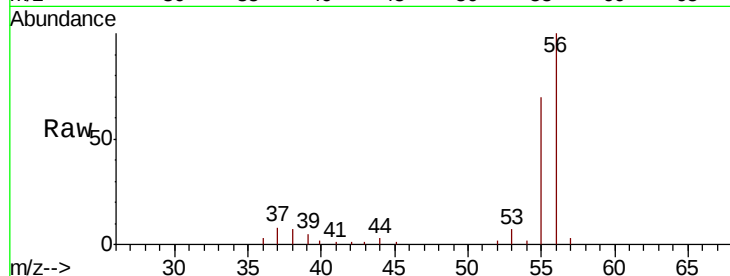




#13
 Acrolein
 Concen: 225.532 ug/l
 RT: 3.60 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

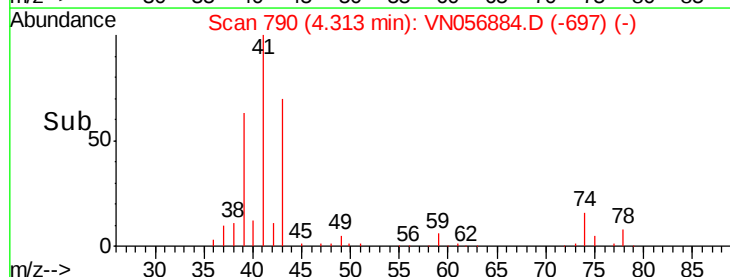
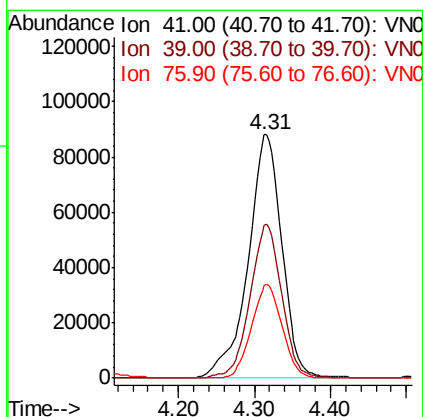
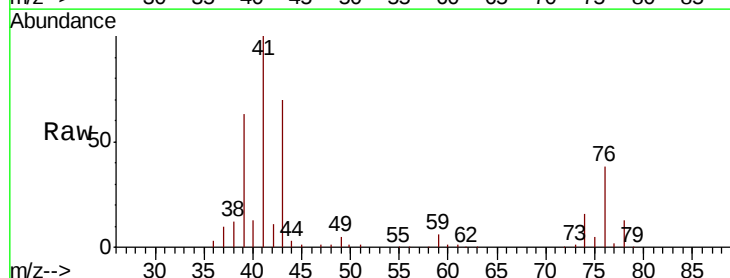
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

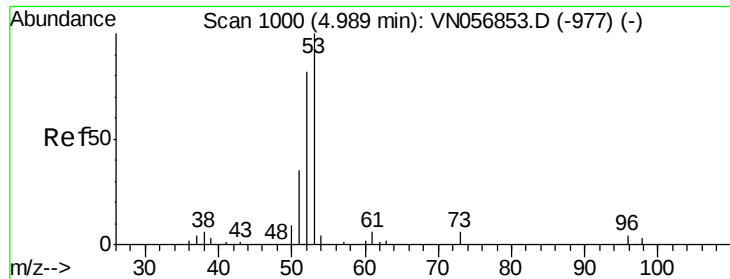
Tot Ion: 56 Resp: 90450
 Ion Ratio Lower Upper
 56 100
 55 72.7 56.2 84.4



#14
 Allyl chloride
 Concen: 53.420 ug/l
 RT: 4.31 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion: 41 Resp: 271117
 Ion Ratio Lower Upper
 41 100
 39 59.4 47.8 71.6
 76 34.8 27.9 41.9

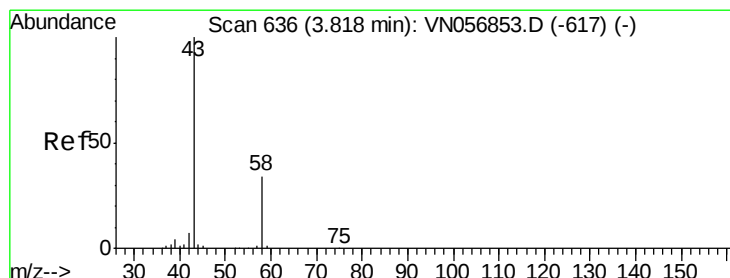
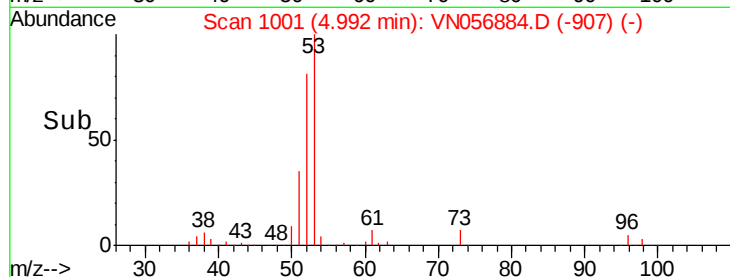
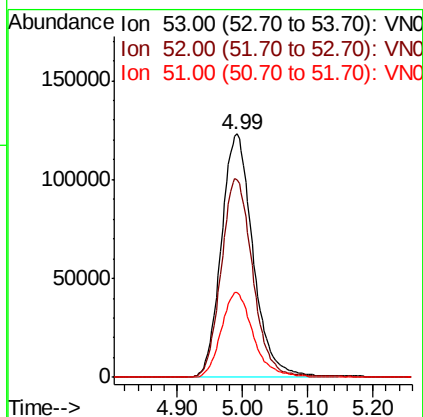
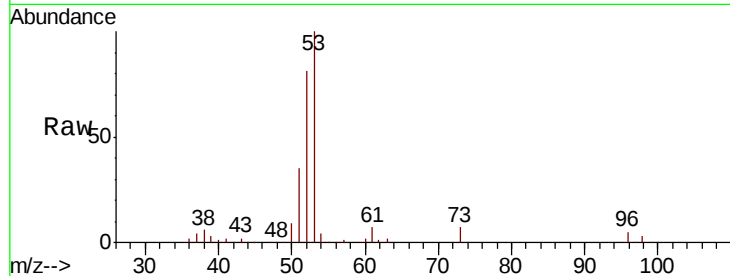




#15
 Acrylonitrile
 Concen: 286.574 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

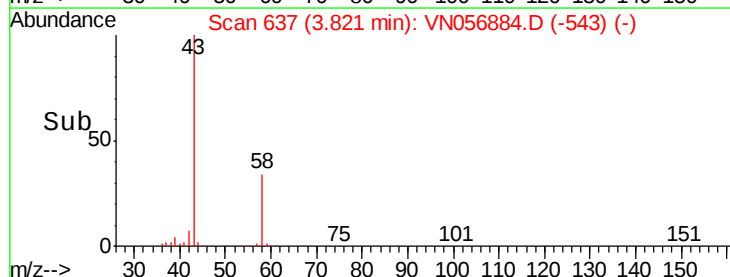
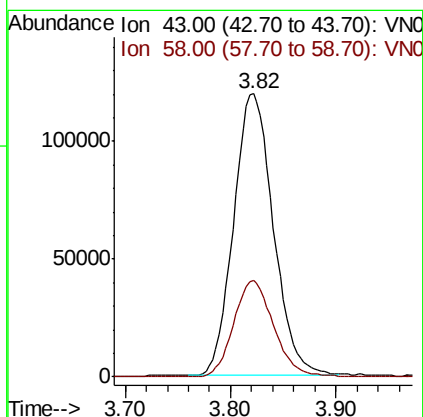
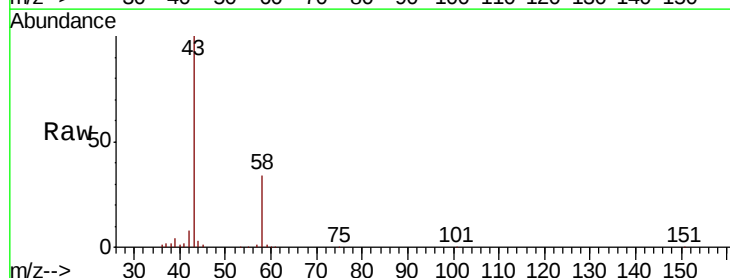
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

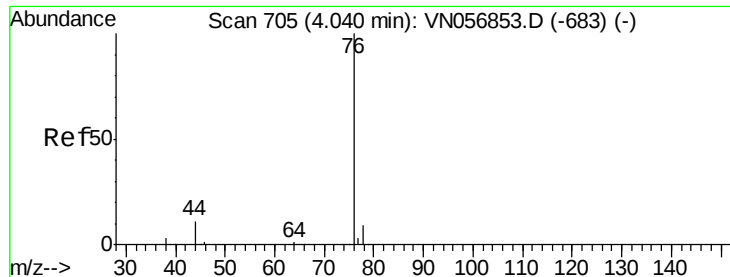
Tot Ion: 53 Resp: 415636
 Ion Ratio Lower Upper
 53 100
 52 80.7 65.0 97.6
 51 35.0 28.2 42.2



#16
 Acetone
 Concen: 257.322 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion: 43 Resp: 314413
 Ion Ratio Lower Upper
 43 100
 58 34.2 27.3 40.9

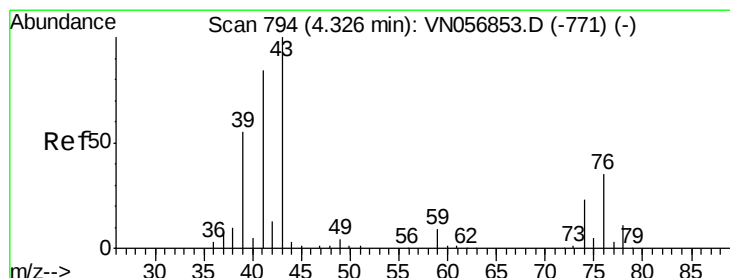
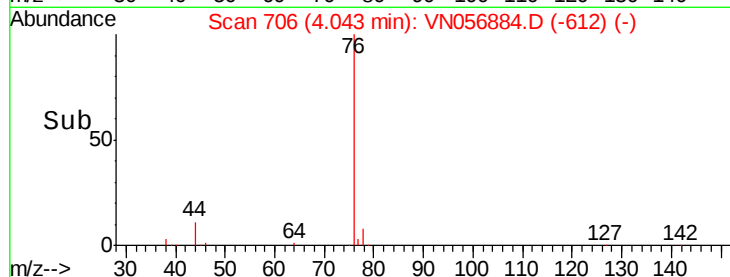
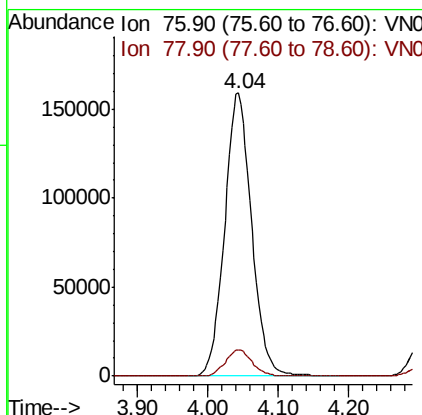
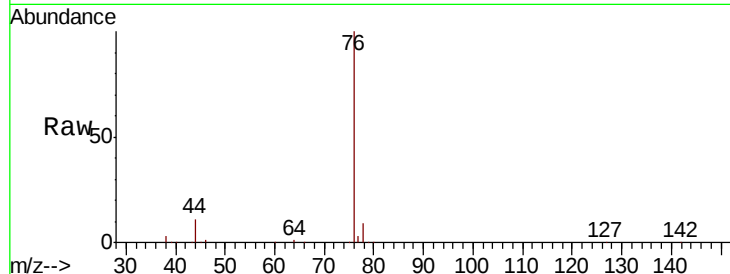




#17
Carbon Disulfide
Concen: 50.330 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

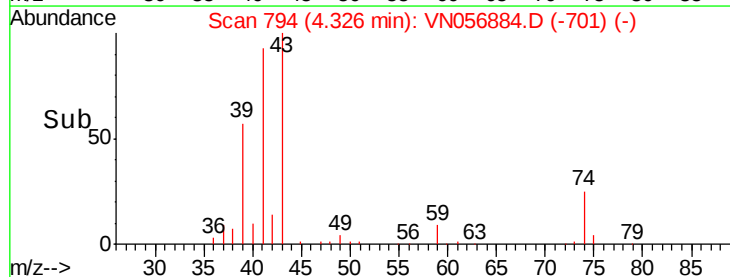
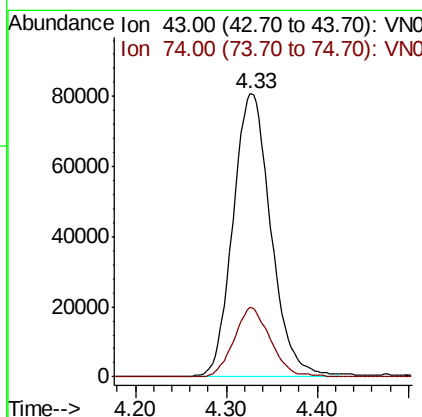
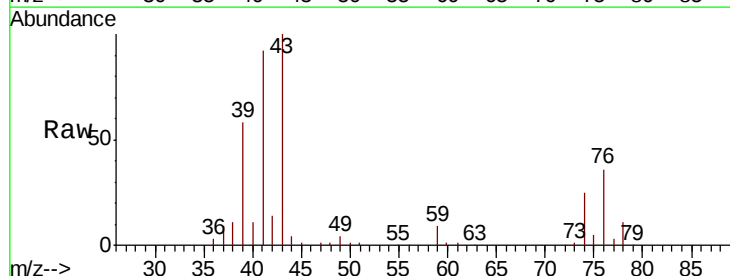
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

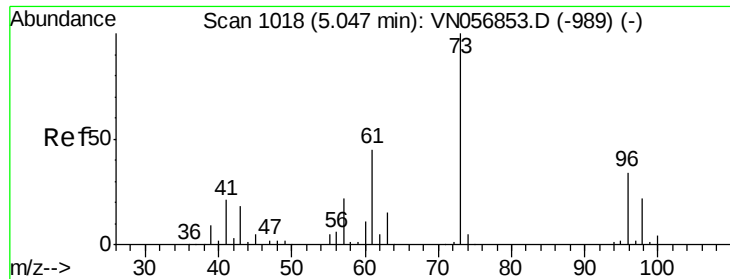
Tot Ion: 76 Resp: 424061
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 58.182 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 43 Resp: 231801
Ion Ratio Lower Upper
43 100
74 23.9 19.0 28.4

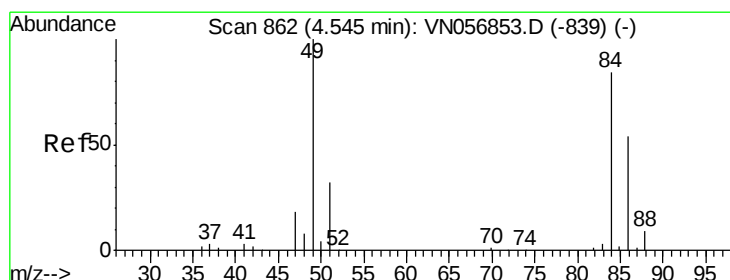
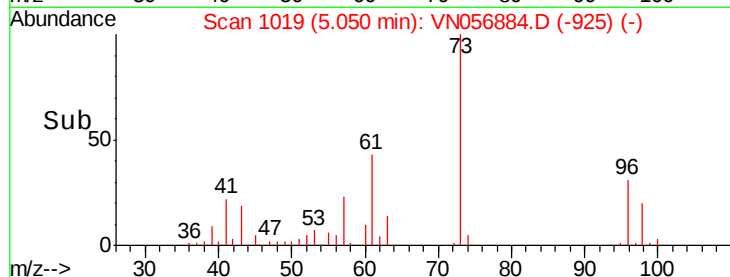
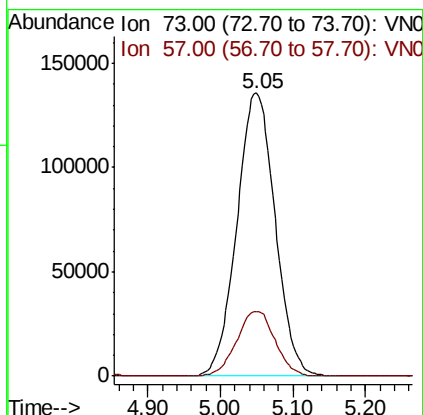
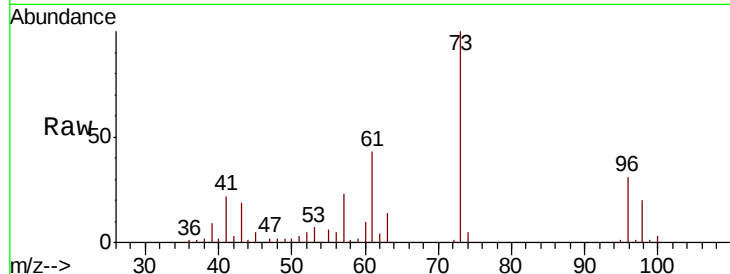




#19
Methvl tert-butvl Ether
Concen: 54.694 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

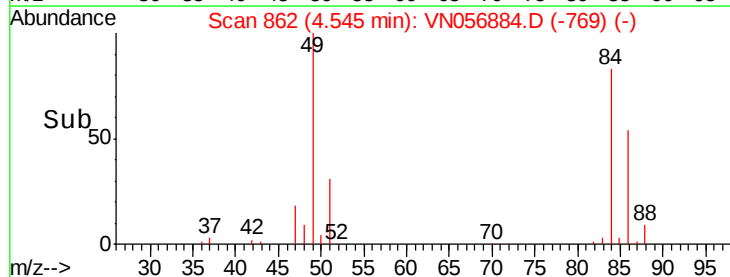
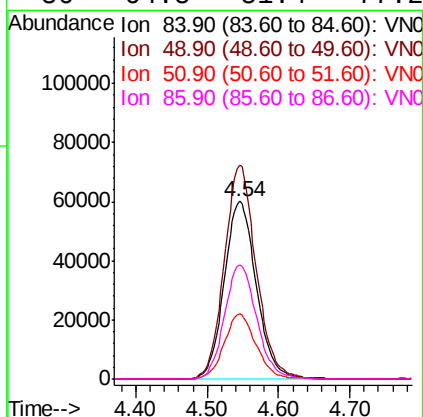
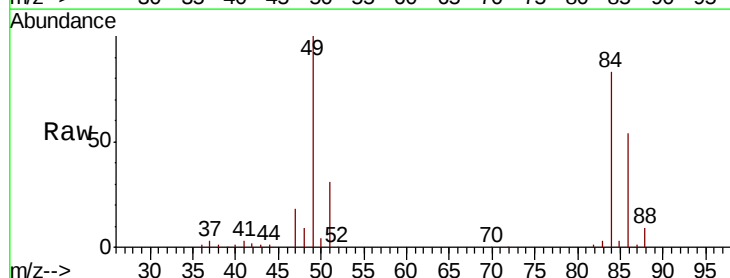
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

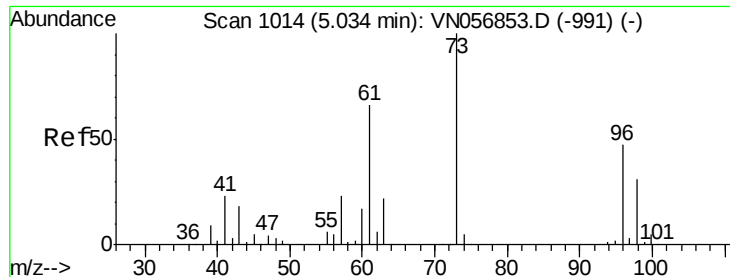
Tot Ion: 73 Resp: 498828
Ion Ratio Lower Upper
73 100
57 23.0 18.0 27.0



#20
Methylene Chloride
Concen: 51.550 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 84 Resp: 188342
Ion Ratio Lower Upper
84 100
49 120.2 94.9 142.3
51 37.1 29.9 44.9
86 64.5 51.4 77.2

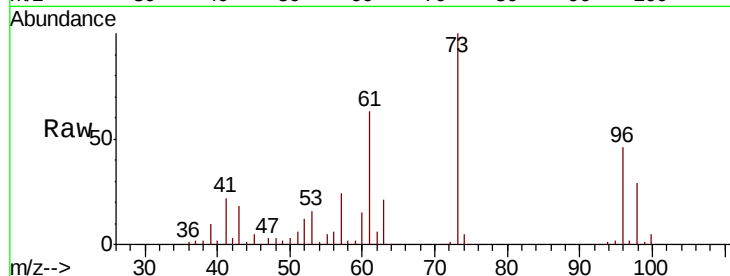




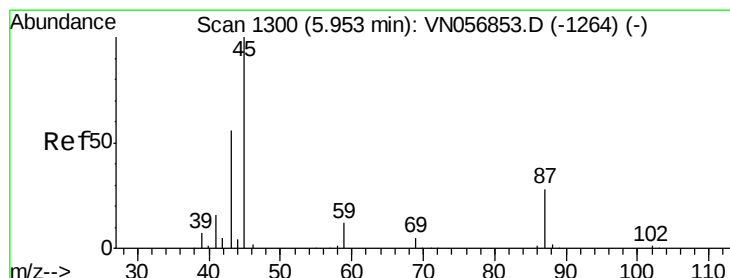
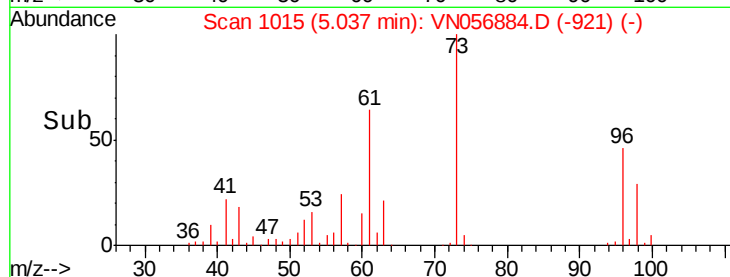
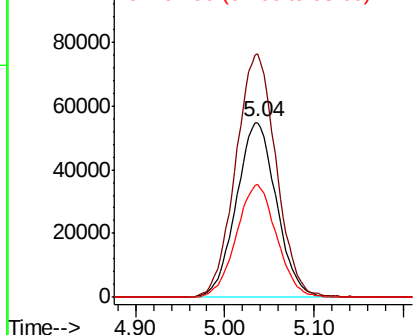
#21
trans-1,2-Dichloroethene
Concen: 53.063 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 171109
Ion Ratio Lower Upper
96 100
61 139.4 112.8 169.2
98 64.6 53.3 79.9

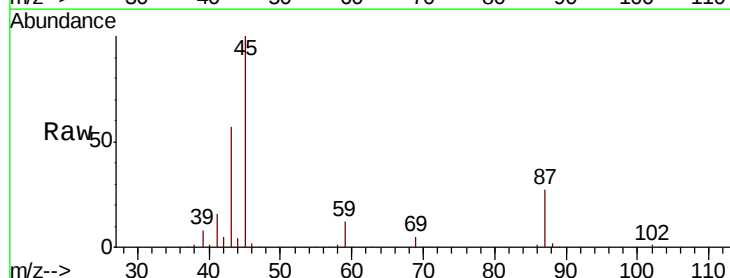


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

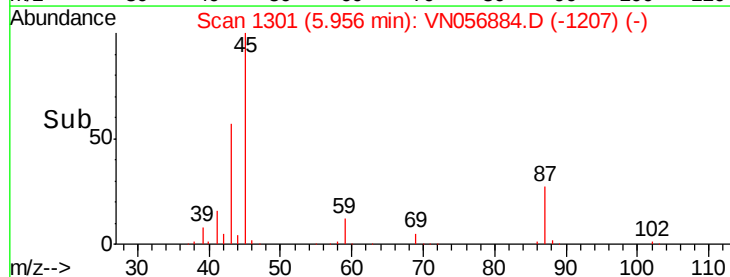
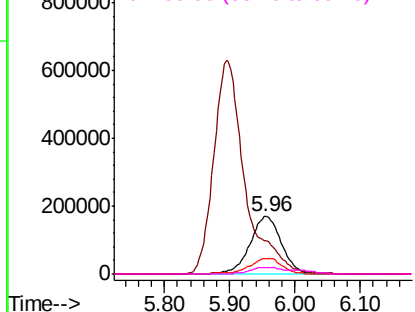


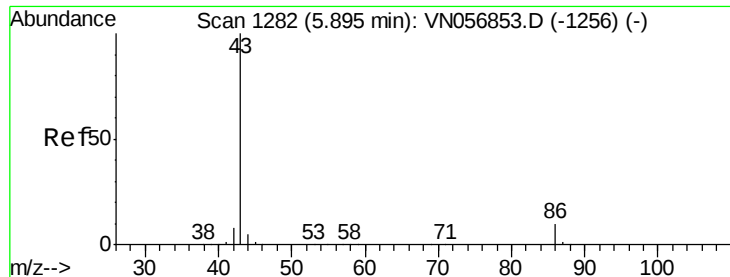
#22
Diisopropyl ether
Concen: 55.201 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 45 Resp: 566384
Ion Ratio Lower Upper
45 100
43 56.3 45.5 68.3
87 27.5 22.7 34.1
59 12.0 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

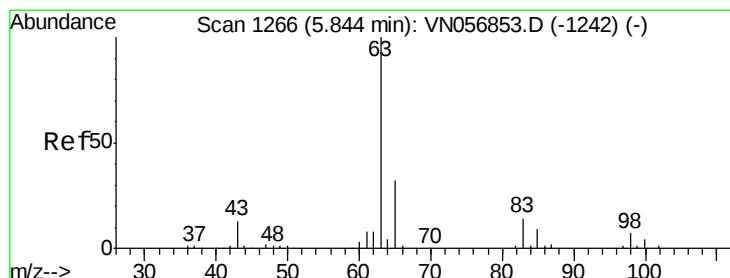
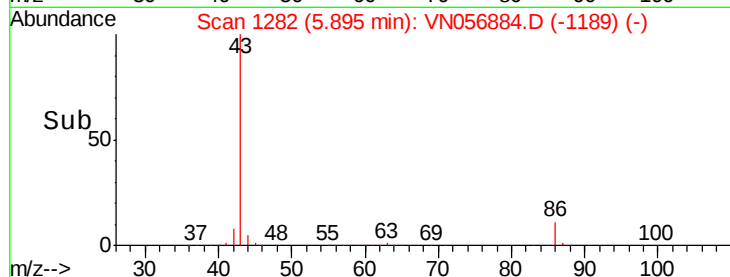
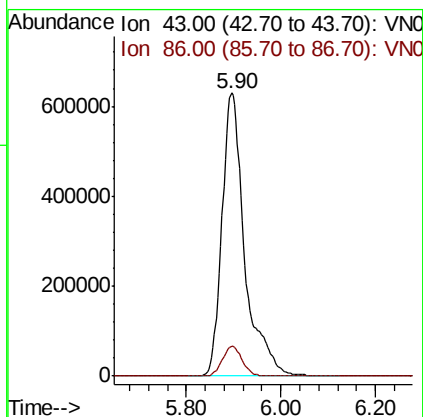
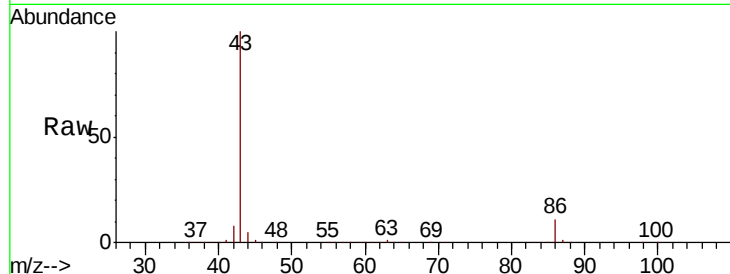




#23
 Vinyl Acetate
 Concen: 283.062 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

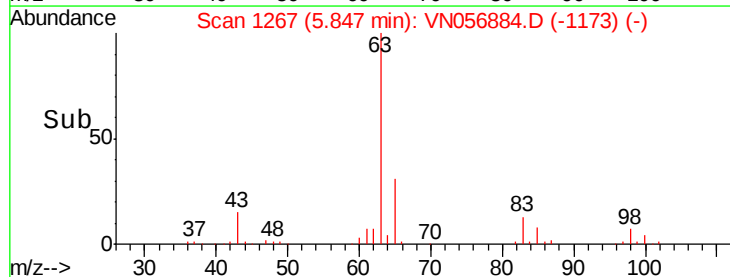
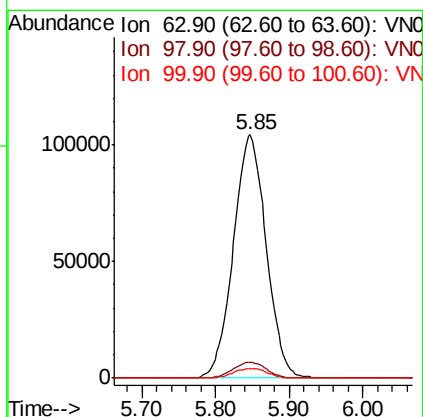
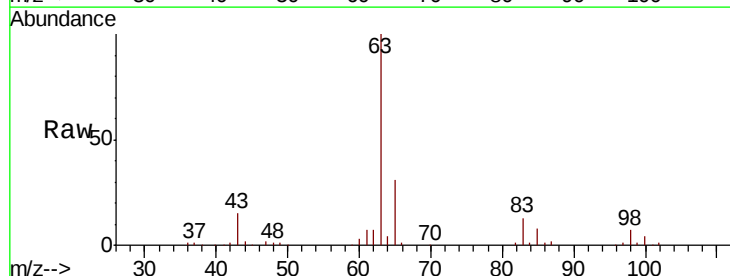
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

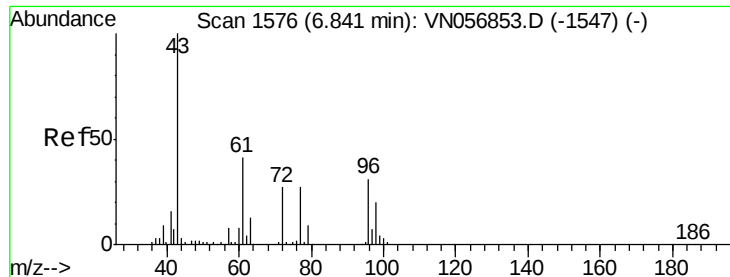
Tot Ion: 43 Resp: 2097920
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 54.412 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion: 63 Resp: 323452
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.9
 100 3.7 2.2 6.6

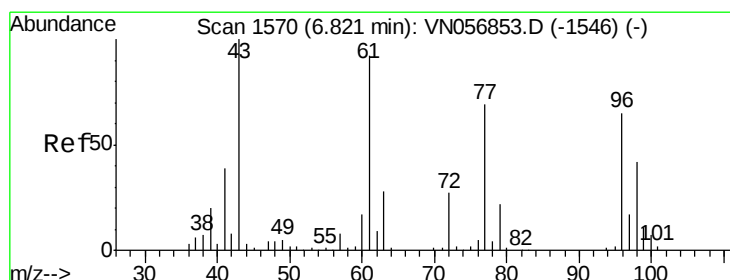
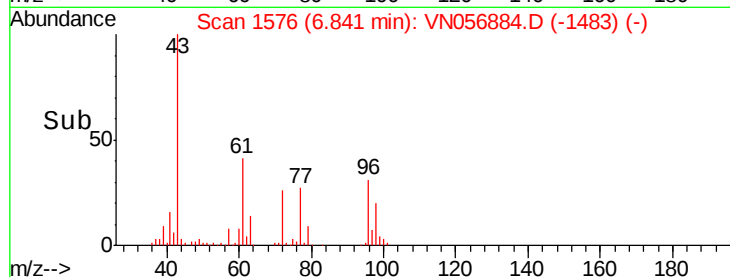
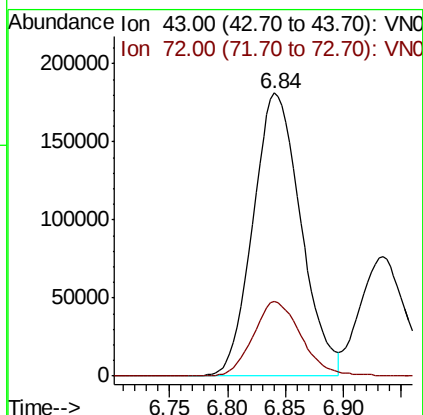
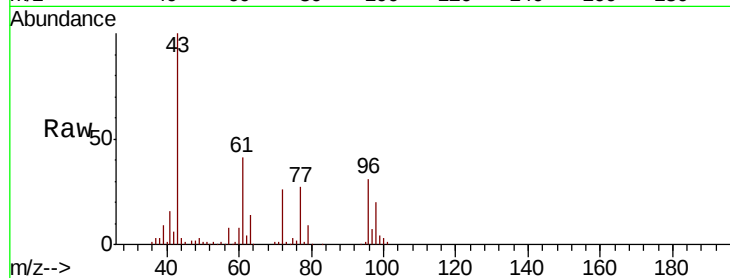




#25
2-Butanone
Concen: 288.327 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

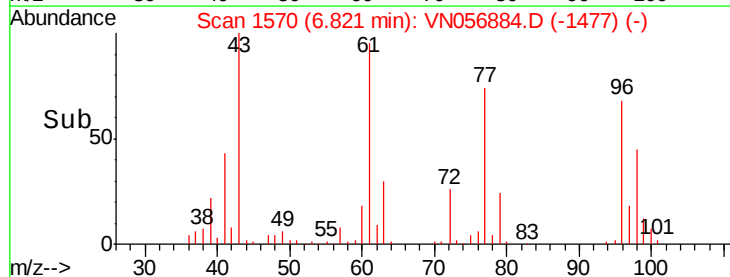
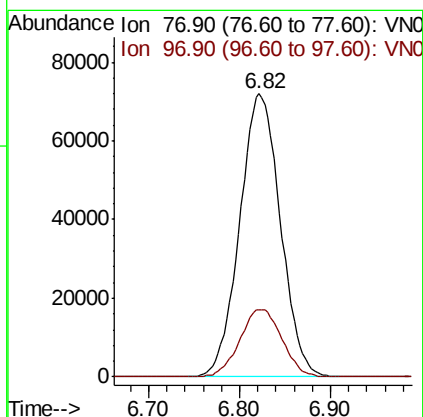
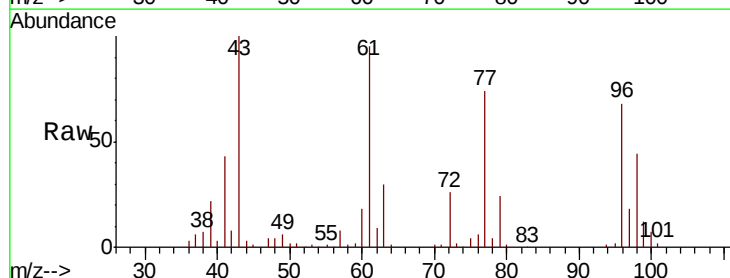
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

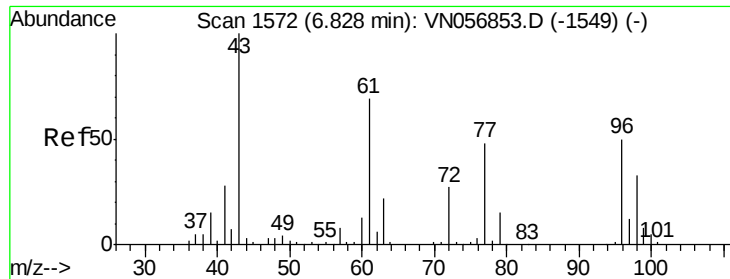
Tot Ion: 43 Resp: 517833
Ion Ratio Lower Upper
43 100
72 26.5 21.5 32.3



#26
2,2-Dichloropropane
Concen: 53.688 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 77 Resp: 223323
Ion Ratio Lower Upper
77 100
97 24.6 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 54.203 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

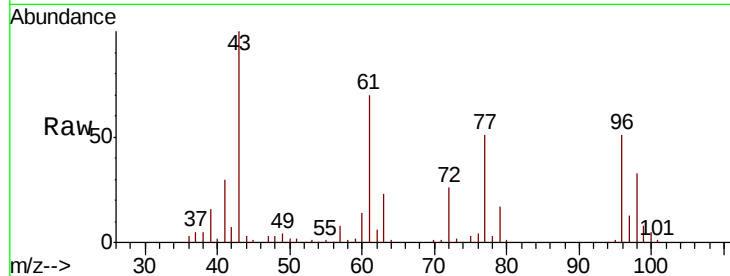
Tot Ion: 96 Resp: 200376

Ion Ratio Lower Upper

96 100

61 139.3 0.0 281.6

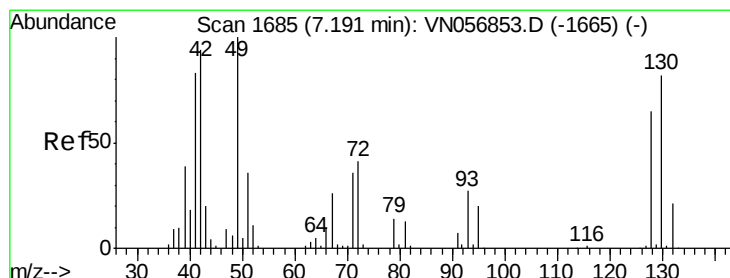
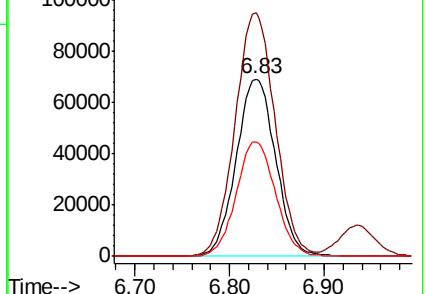
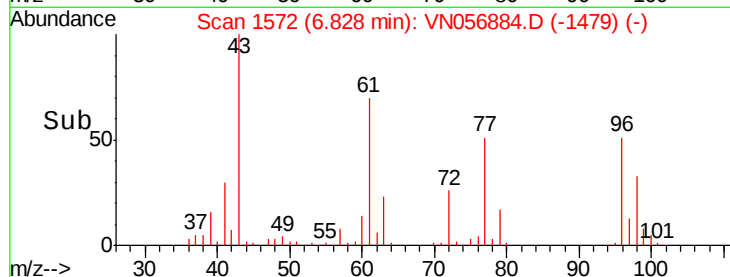
98 64.5 0.0 132.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 58.030 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

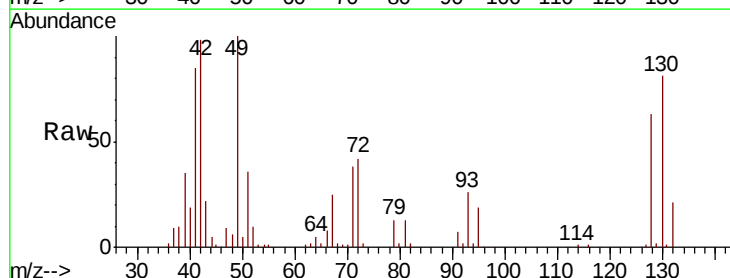
Tgt Ion: 49 Resp: 156587

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

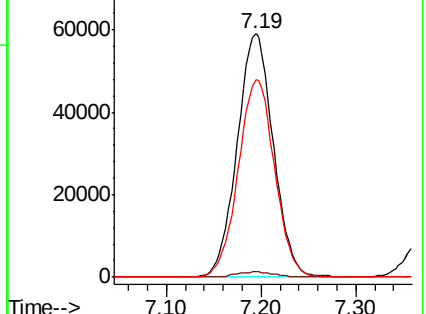
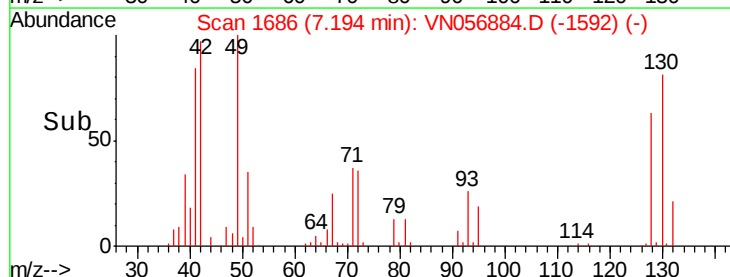
130 81.7 65.0 97.6

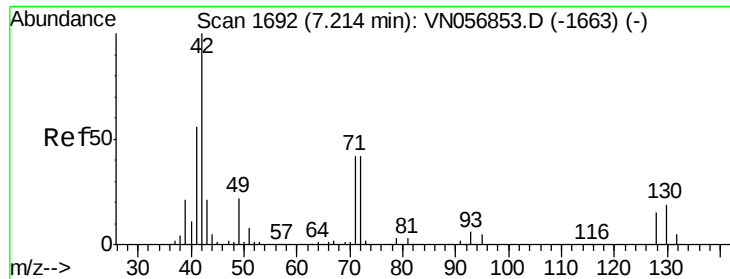


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

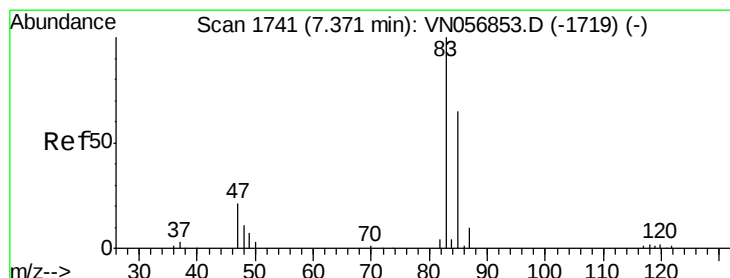
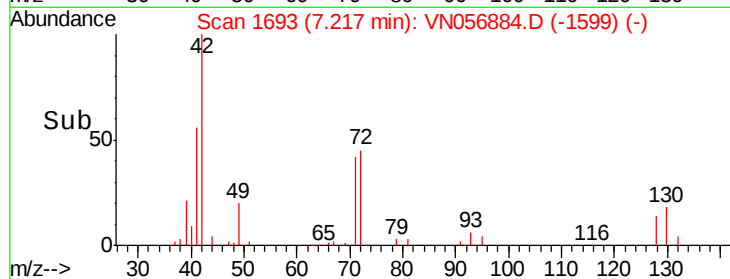
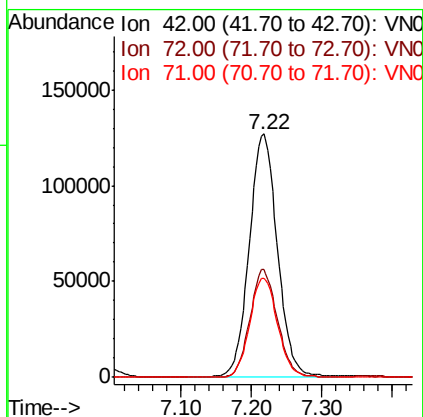
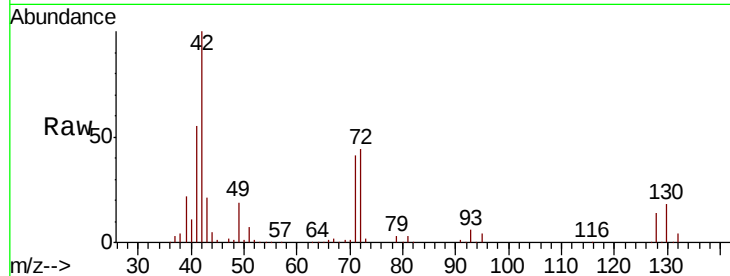




#29
Tetrahydrofuran
Concen: 286.662 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

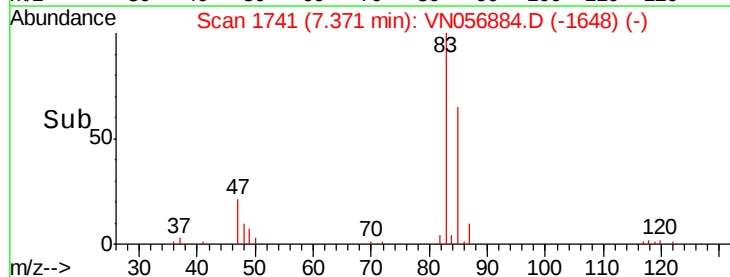
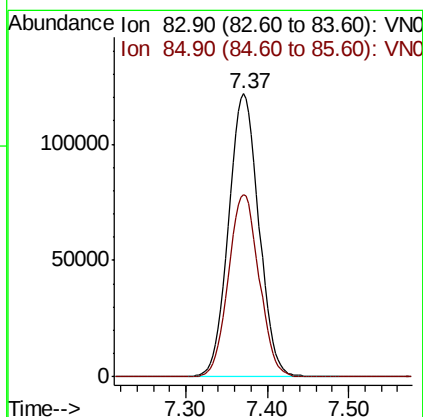
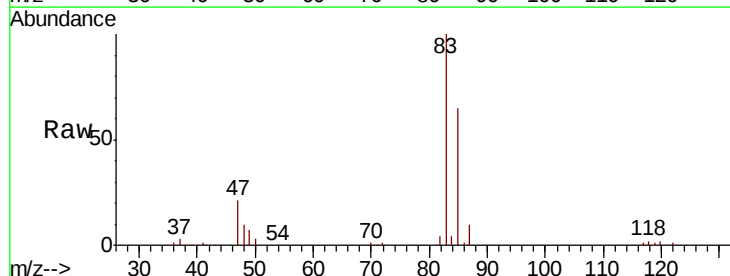
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

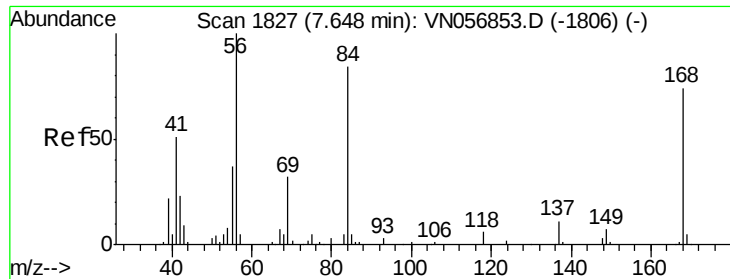
Tot Ion: 42 Resp: 353975
Ion Ratio Lower Upper
42 100
72 43.2 34.2 51.2
71 40.3 32.7 49.1



#30
Chloroform
Concen: 53.014 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 83 Resp: 315925
Ion Ratio Lower Upper
83 100
85 64.6 52.3 78.5

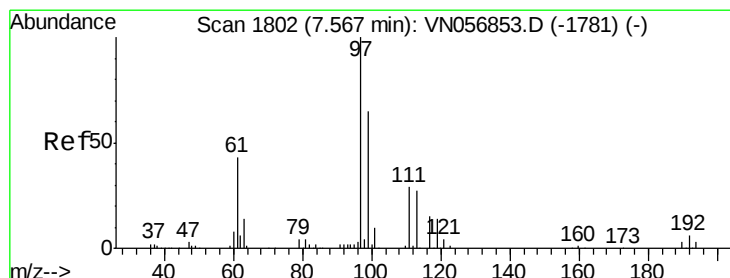
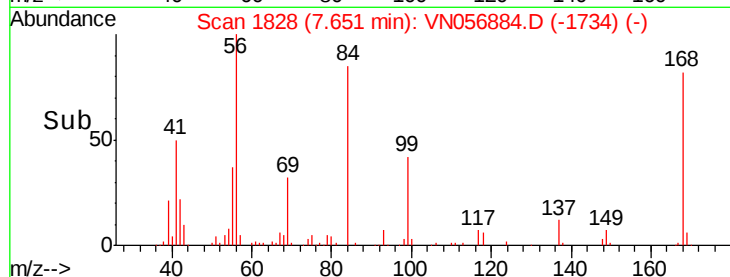
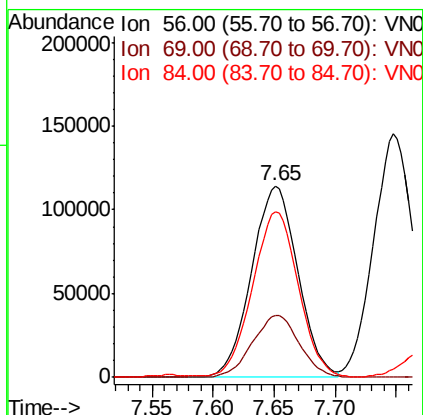
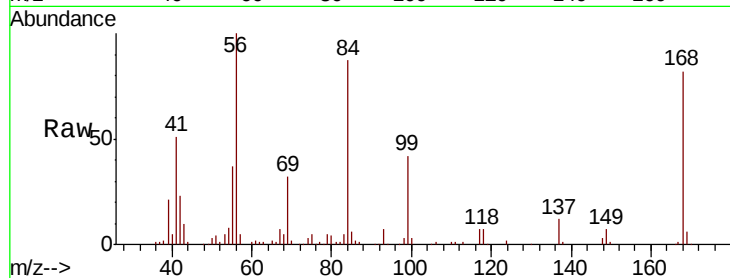




#31
Cyclohexane
Concen: 52.051 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

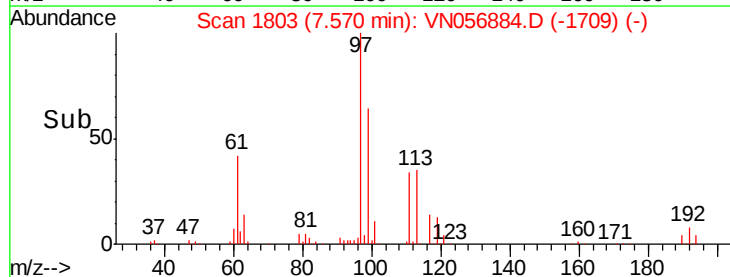
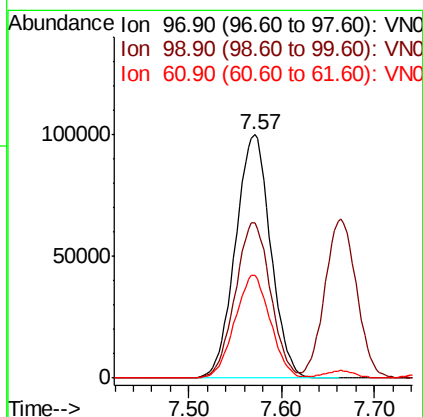
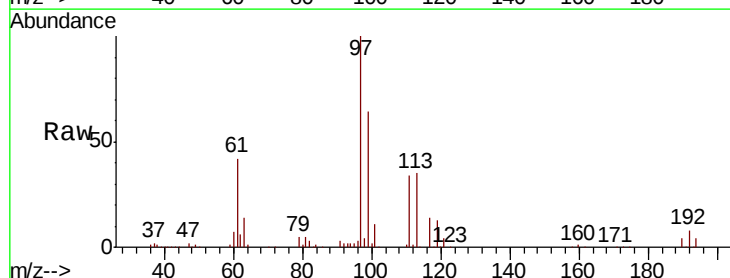
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

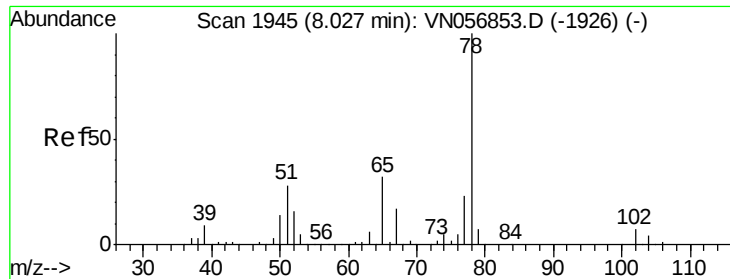
Tot Ion: 56 Resp: 300192
Ion Ratio Lower Upper
56 100
69 32.2 25.5 38.3
84 85.9 67.3 100.9



#32
1,1,1-Trichloroethane
Concen: 54.601 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 97 Resp: 263226
Ion Ratio Lower Upper
97 100
99 64.2 52.1 78.1
61 42.6 34.0 51.0

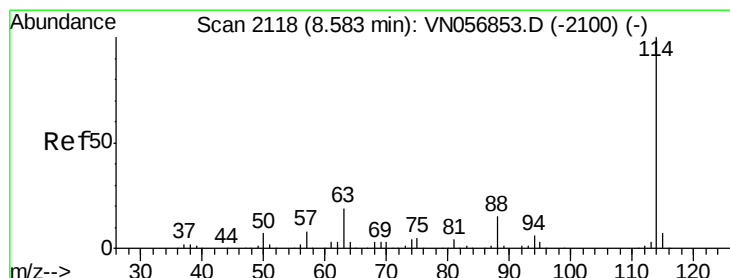
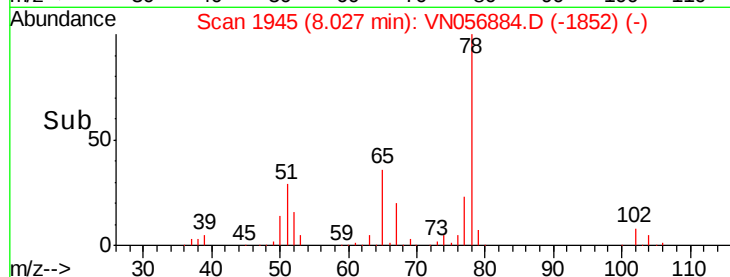
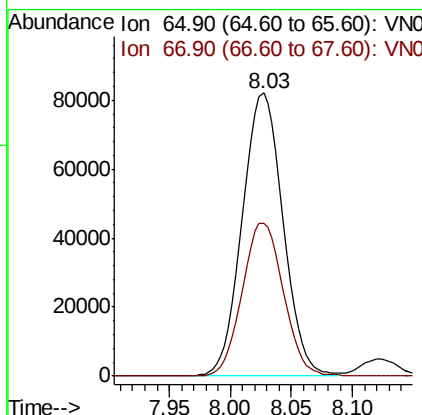
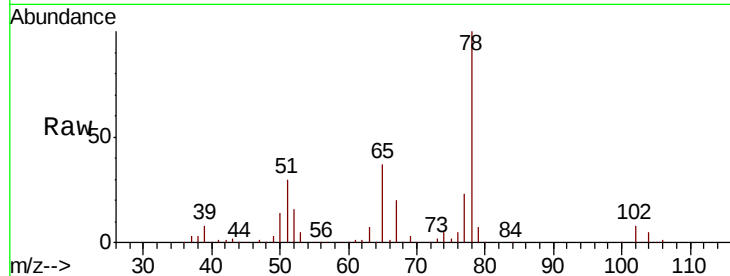




#33
 1,2-Dichloroethane-d4
 Concen: 56.039 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

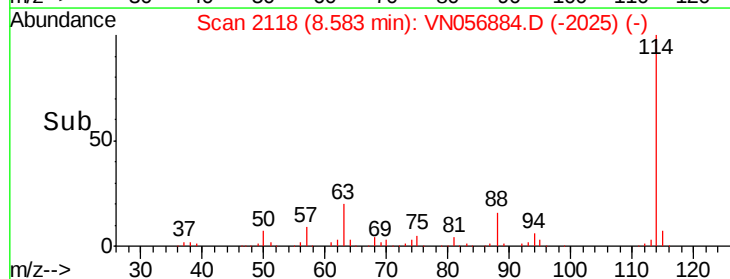
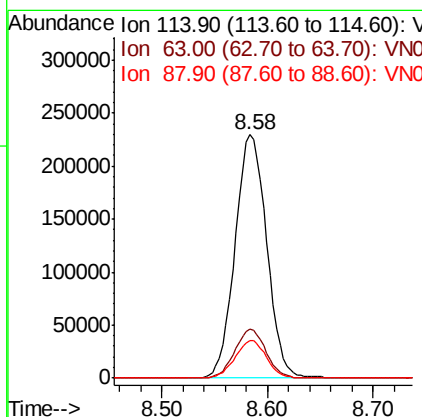
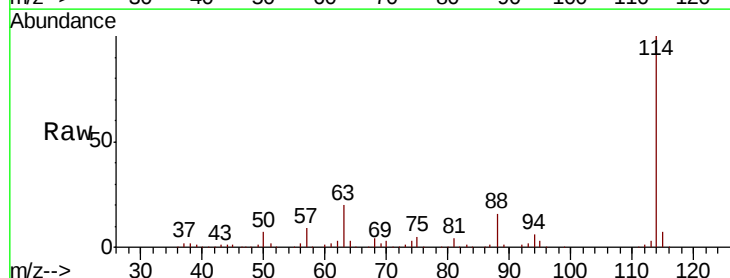
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

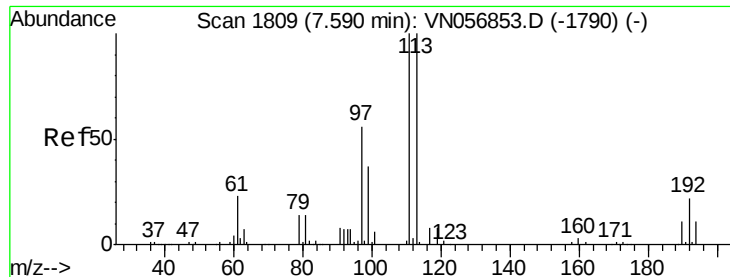
Tot Ion: 65 Resp: 190144
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion: 114 Resp: 478099
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 37.8
 88 15.5 0.0 31.0

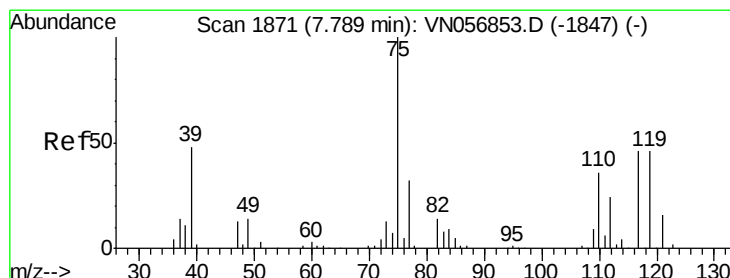
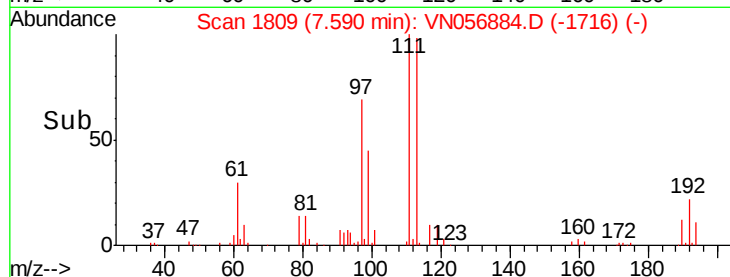
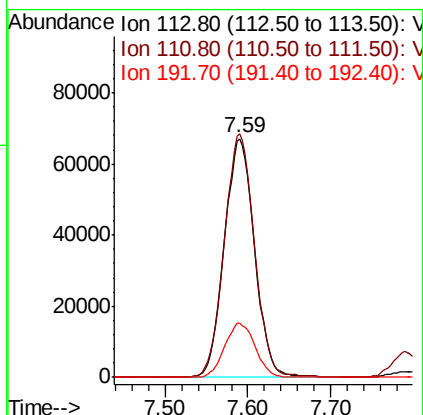
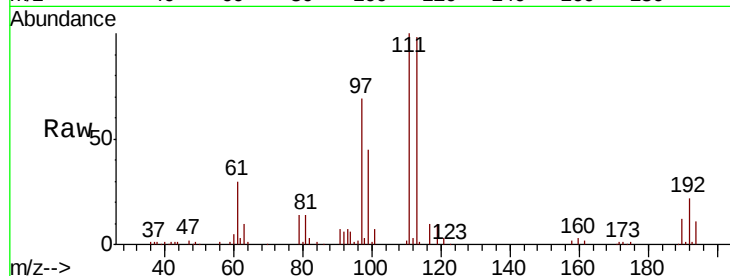




#35
 Dibromofluoromethane
 Concen: 56.047 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

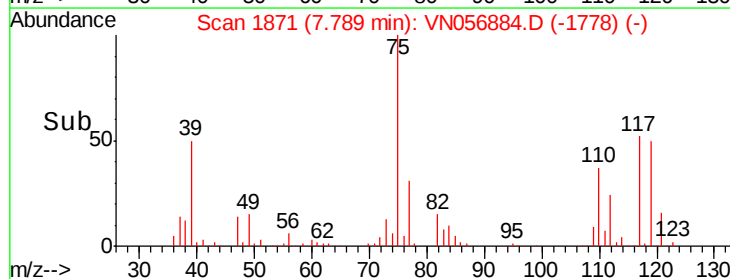
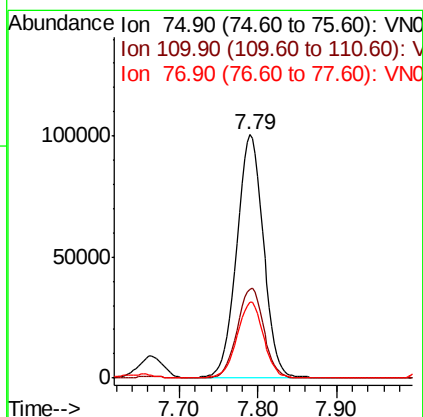
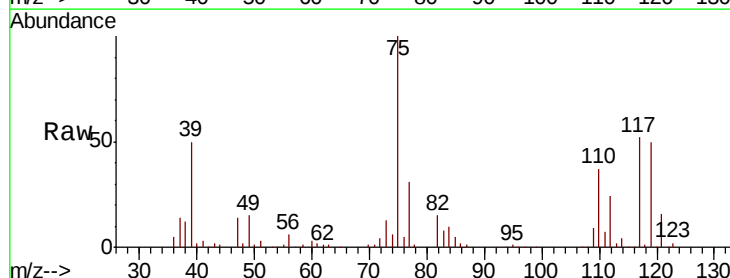
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

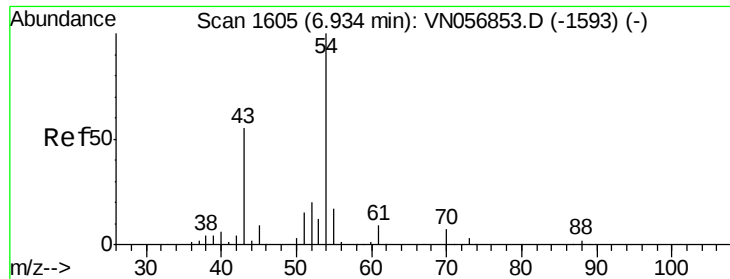
Tot Ion:113 Resp: 169843
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.9 122.9
 192 22.9 18.5 27.7



#36
 1,1-Dichloropropene
 Concen: 54.351 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion: 75 Resp: 239635
 Ion Ratio Lower Upper
 75 100
 110 36.5 17.9 53.7
 77 31.0 25.0 37.6

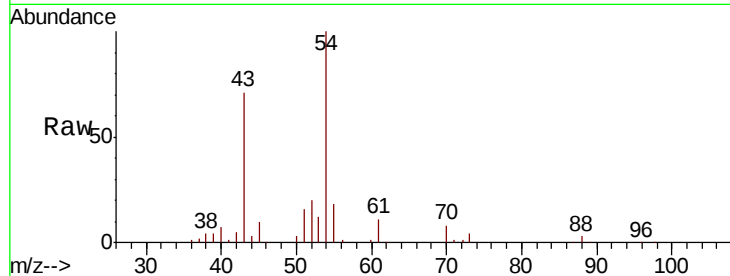




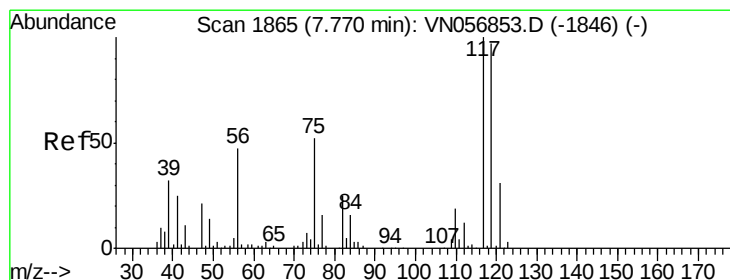
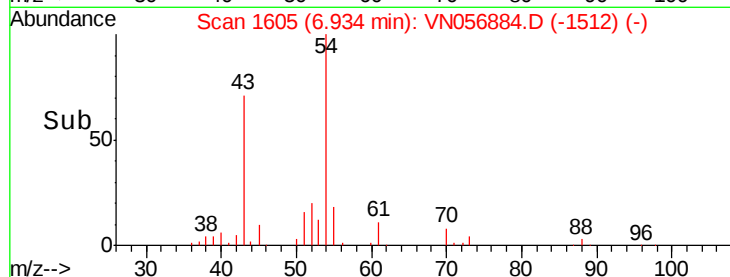
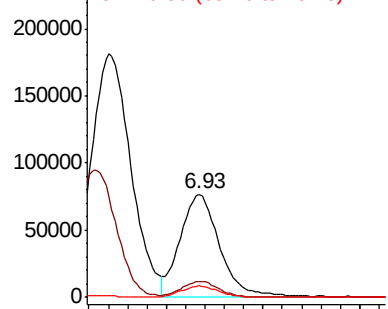
#37
Ethyl Acetate
Concen: 60.295 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 214383
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.8
70 10.7 8.6 13.0

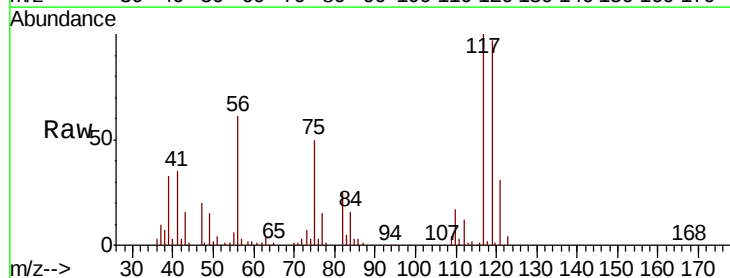


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

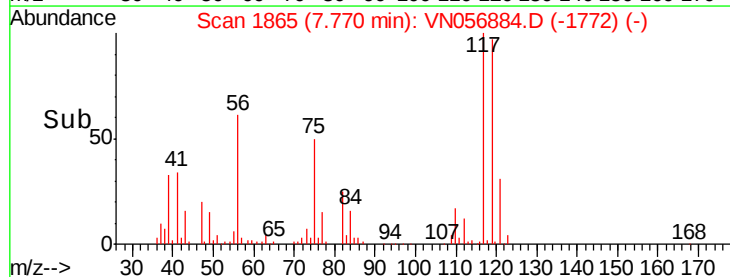
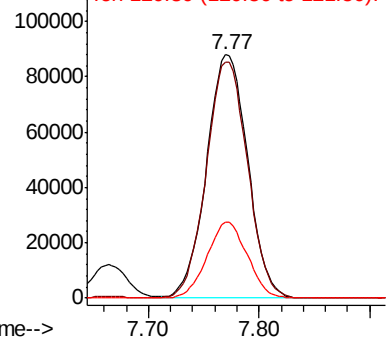


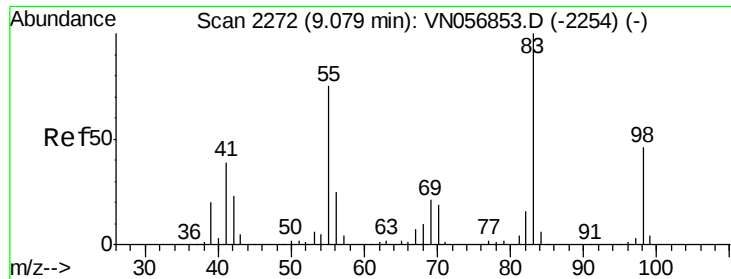
#38
Carbon Tetrachloride
Concen: 54.275 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 117 Resp: 227806
Ion Ratio Lower Upper
117 100
119 97.0 77.2 115.8
121 31.4 24.5 36.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

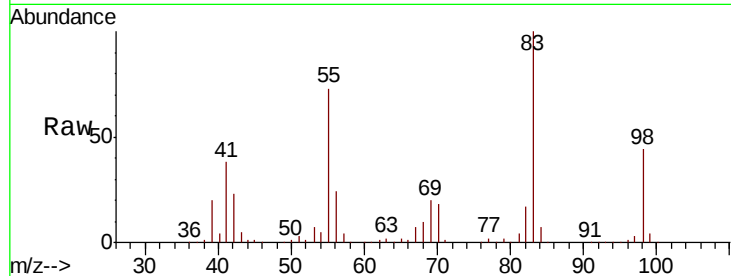




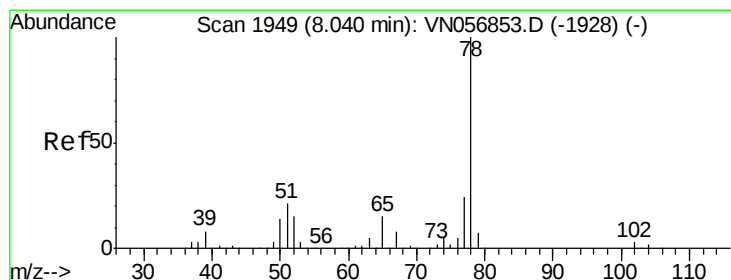
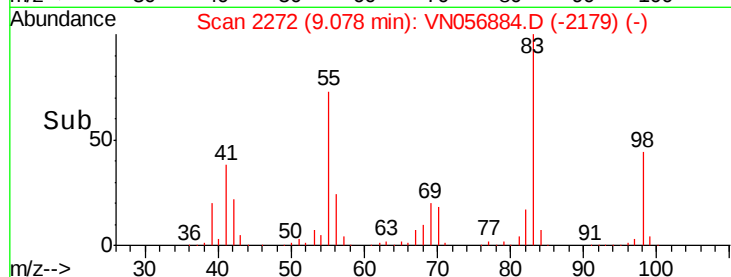
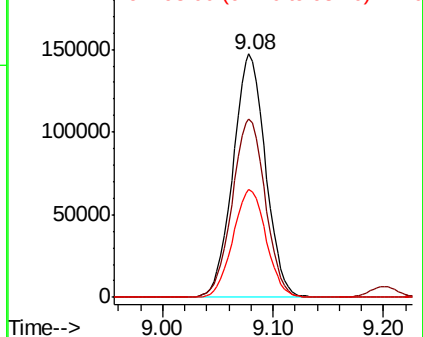
#39
Methvlcvclohexane
Concen: 54.331 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 299755
Ion Ratio Lower Upper
83 100
55 73.5 59.8 89.8
98 44.1 37.1 55.7

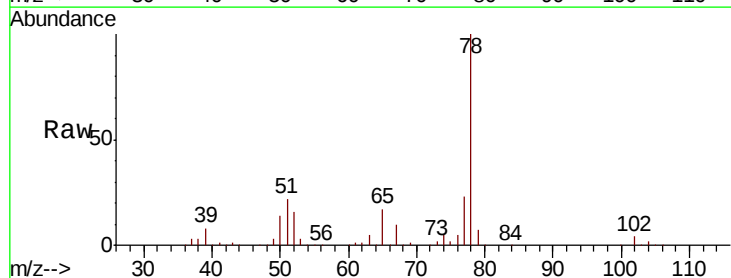


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

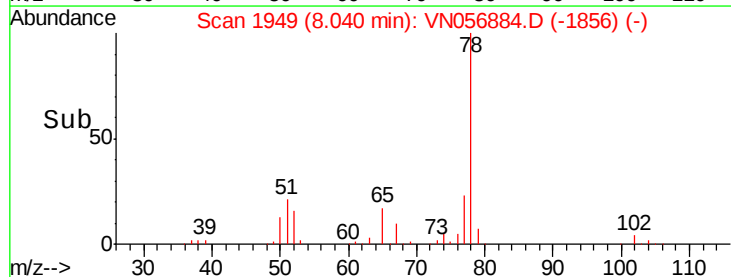
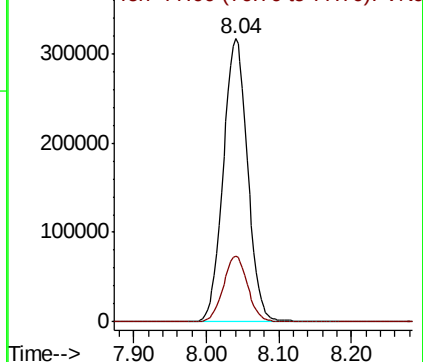


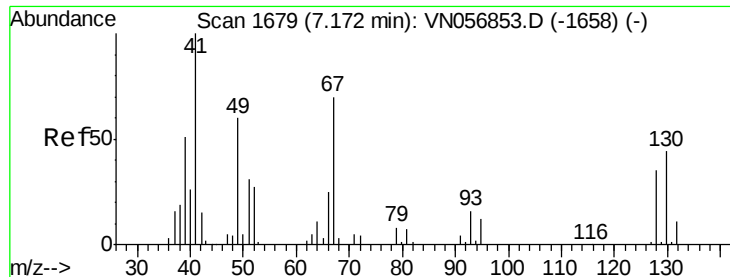
#40
Benzene
Concen: 53.862 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 78 Resp: 737672
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

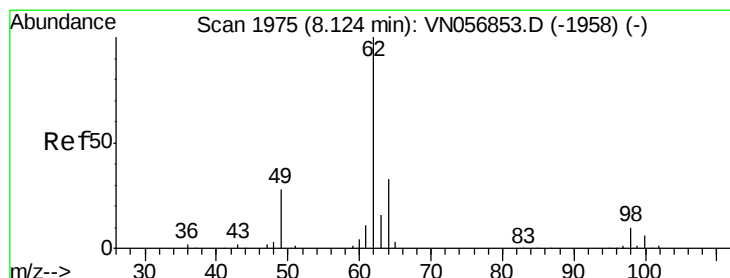
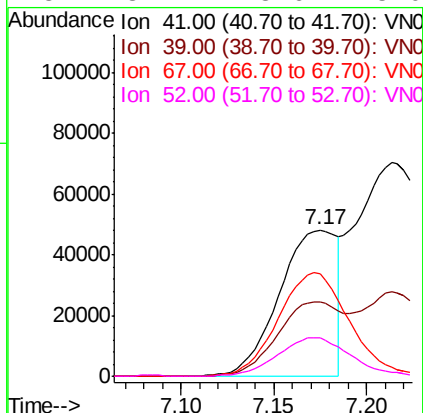
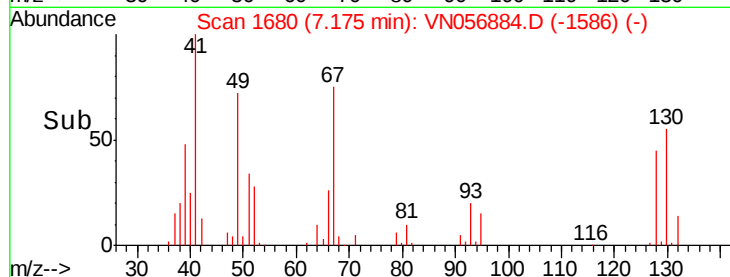
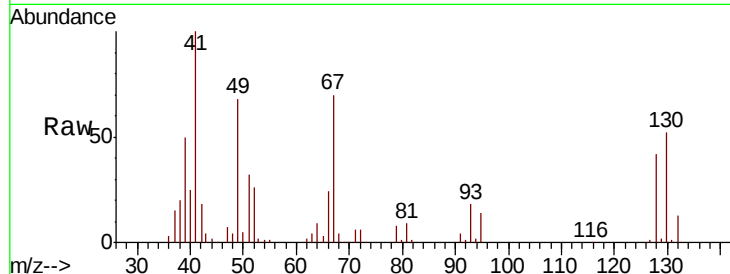




#41
Methacrylonitrile
Concen: 59.025 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

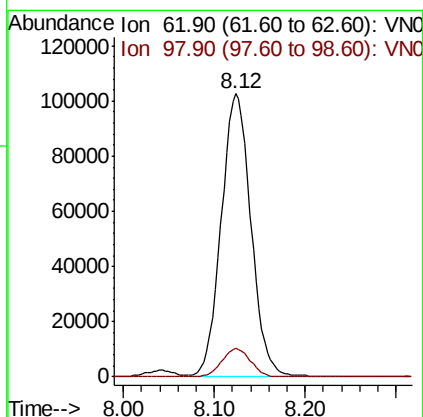
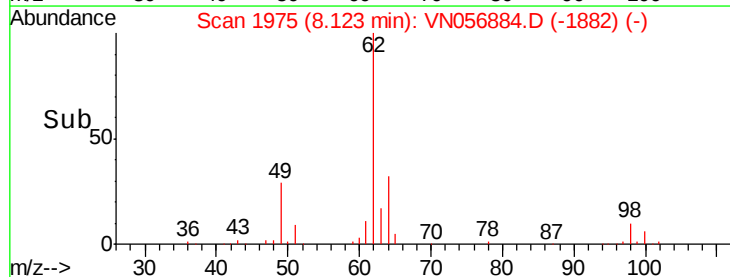
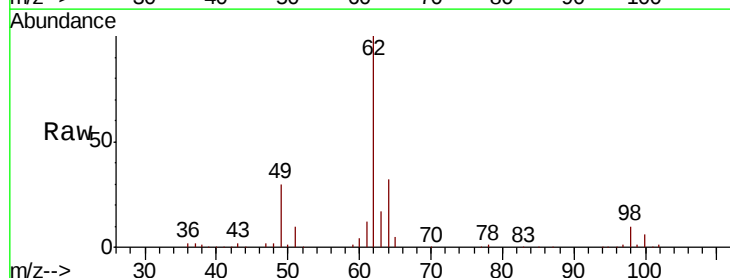
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

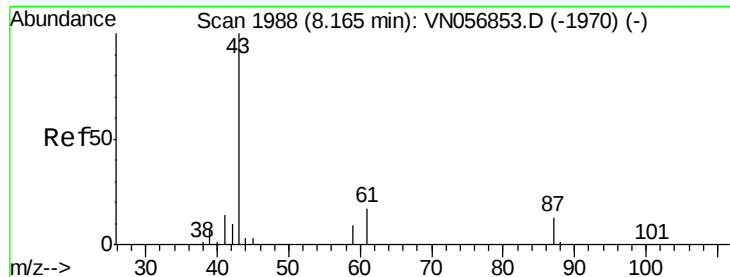
Tot Ion: 41 Resp: 104200
Ion Ratio Lower Upper
41 100
39 59.1 44.0 66.0
67 87.5 73.5 110.3
52 34.1 28.6 43.0



#42
1,2-Dichloroethane
Concen: 54.370 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 62 Resp: 232661
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 56.958 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

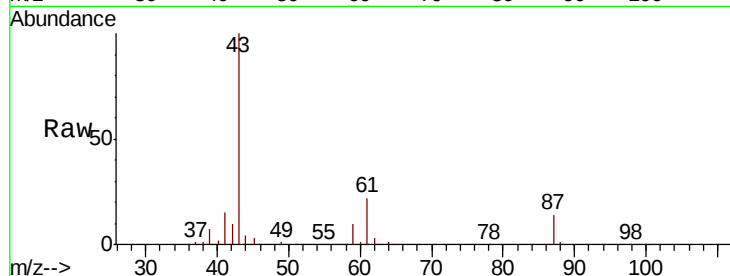
Tot Ion: 43 Resp: 348150

Ion Ratio Lower Upper

43 100

61 22.0 17.8 26.6

87 13.5 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056884.D (-1895) (-)

Ion 61.00 (60.70 to 61.70): VN056884.D (-1895) (-)

Ion 87.00 (86.70 to 87.70): VN056884.D (-1895) (-)

8.17

200000

150000

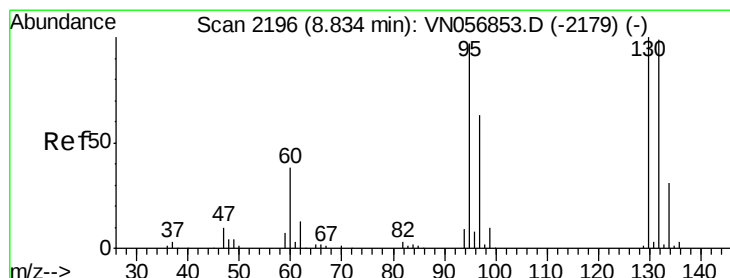
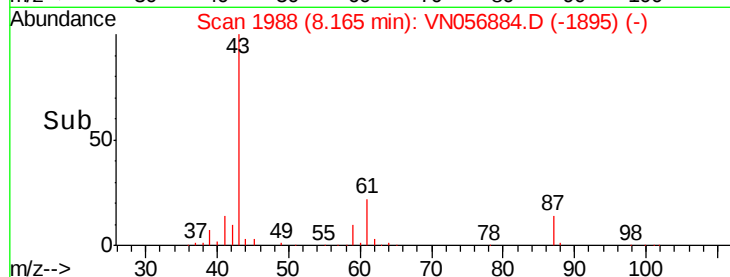
100000

50000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 54.581 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN056884.D

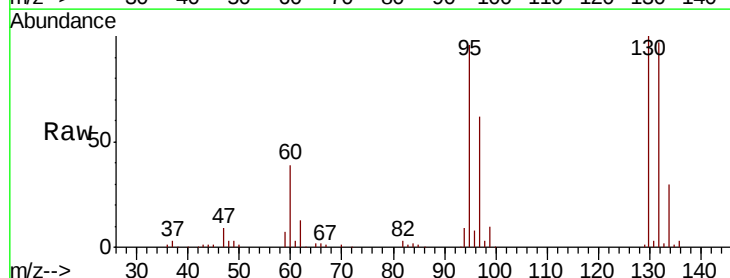
Acq: 23 Jul 2019 17:27

Tgt Ion: 130 Resp: 200204

Ion Ratio Lower Upper

130 100

95 95.8 0.0 194.0



Abundance Ion 129.80 (129.50 to 130.50): VN056884.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN056884.D (-2103) (-)

8.83

100000

80000

60000

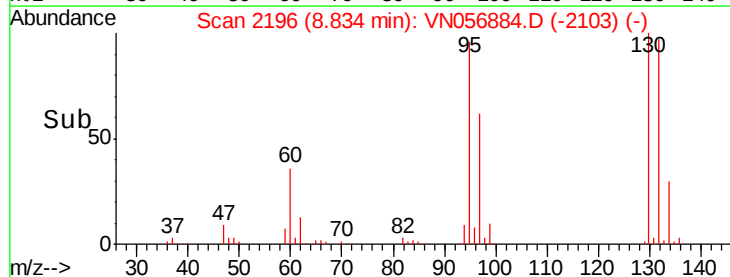
40000

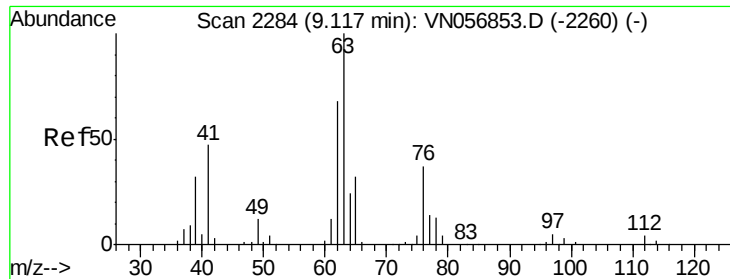
20000

0

8.80 8.90

Time-->

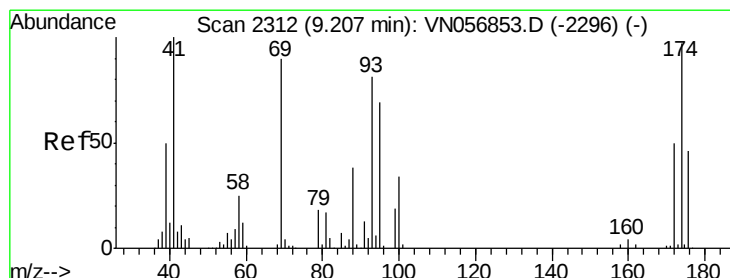
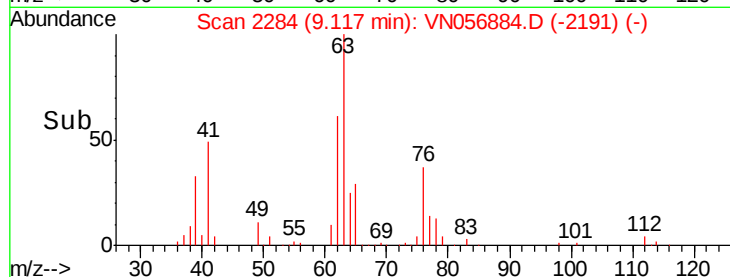
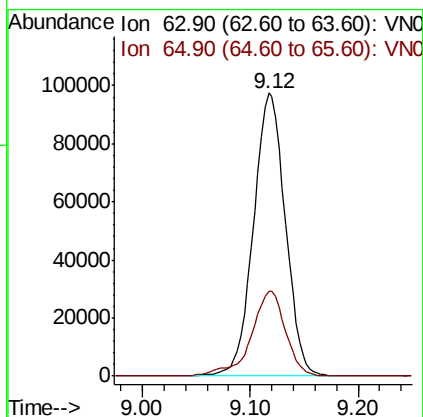
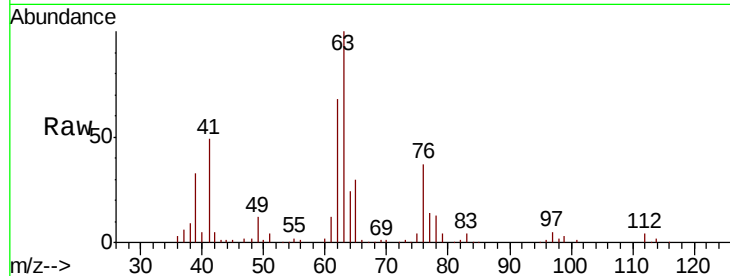




#45
 1,2-Dichloropropane
 Concen: 54.032 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

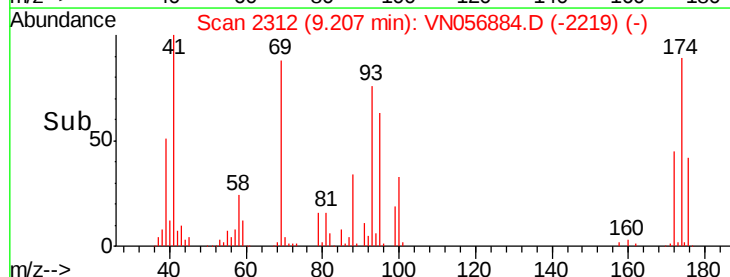
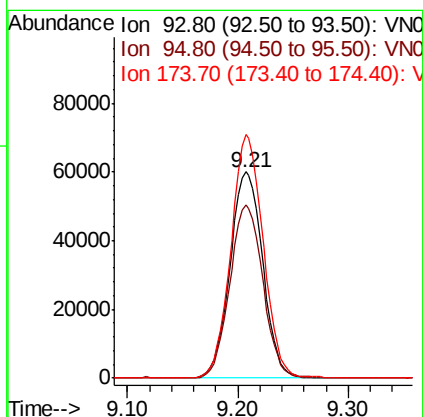
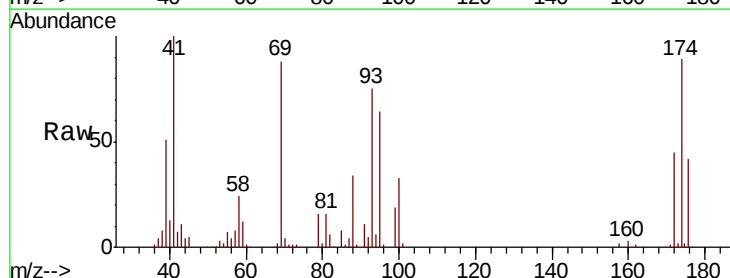
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

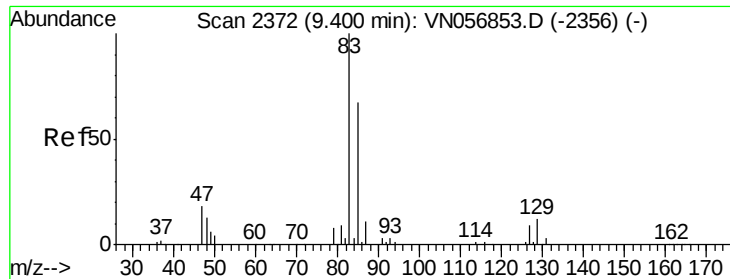
Tot Ion: 63 Resp: 199348
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.4 38.0



#46
 Dibromomethane
 Concen: 54.278 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion: 93 Resp: 123604
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.4 101.0
 174 115.7 92.9 139.3





#47

Bromodichloromethane

Concen: 55.197 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

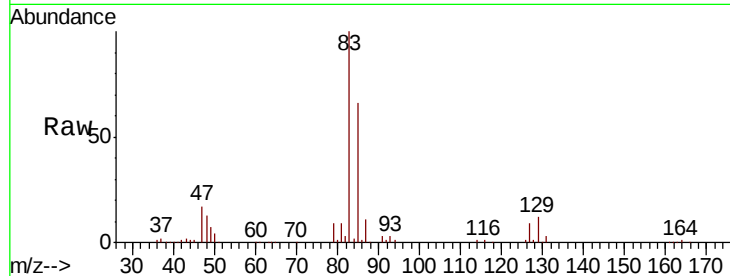
Tot Ion: 83 Resp: 236384

Ion Ratio Lower Upper

83 100

85 66.2 53.4 80.2

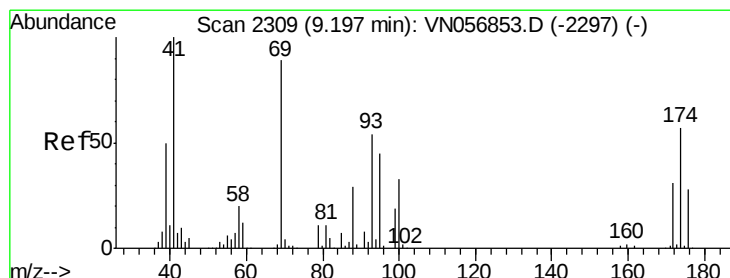
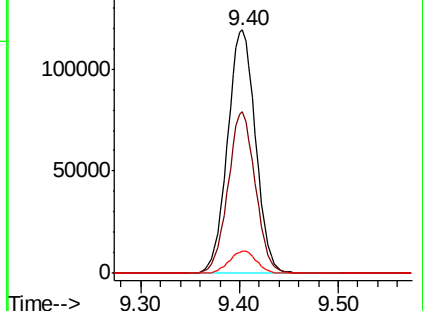
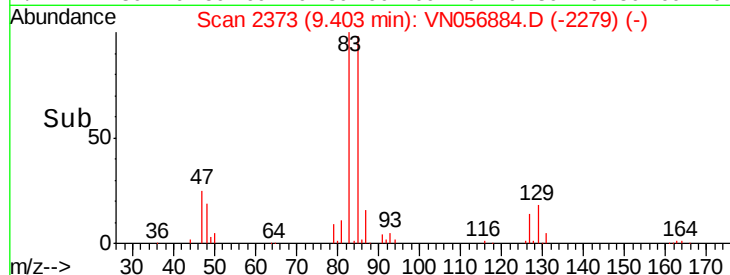
127 9.1 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 56.573 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

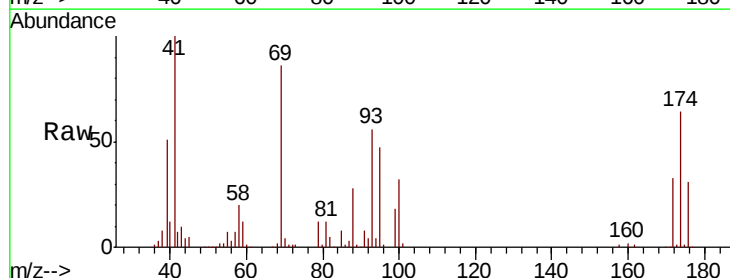
Tgt Ion: 41 Resp: 172985

Ion Ratio Lower Upper

41 100

69 89.7 71.1 106.7

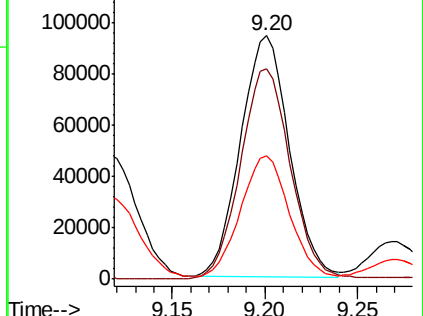
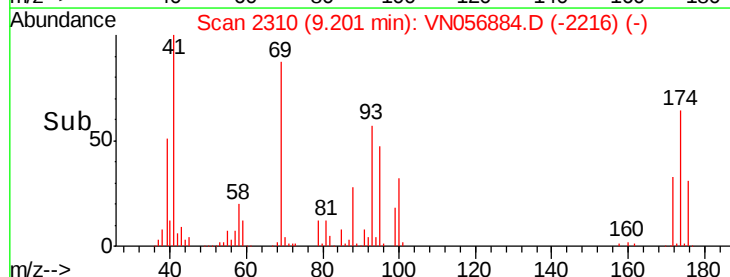
39 51.4 40.6 60.8

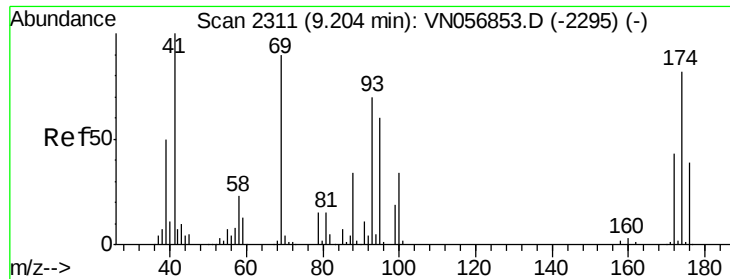


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1121.862 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

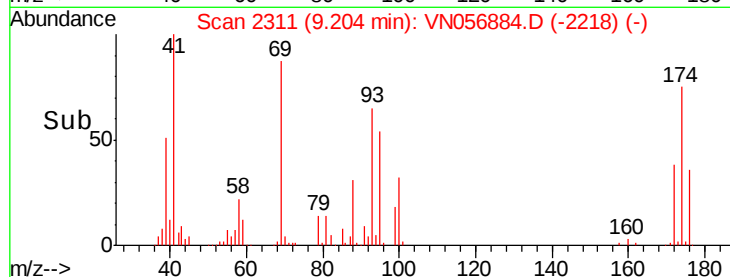
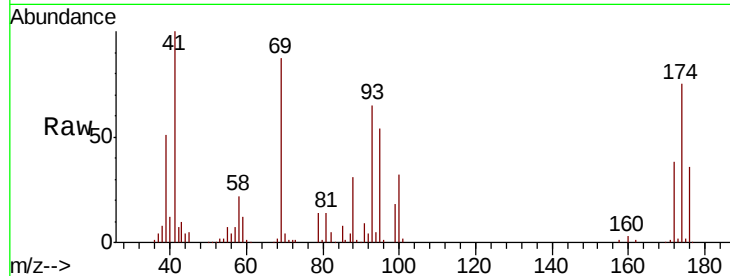
Tot Ion: 88 Resp: 67287

Ion Ratio Lower Upper

88 100

43 28.2 21.4 32.2

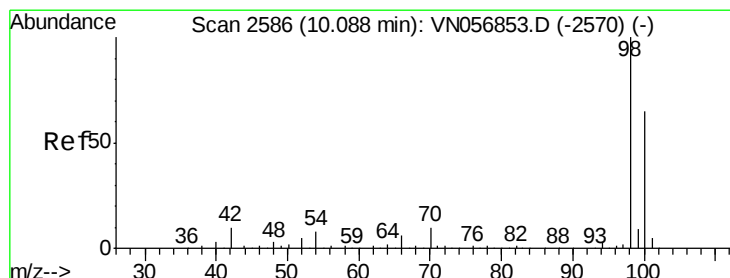
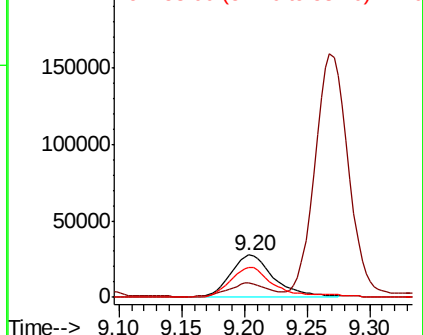
58 72.0 55.7 83.5



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 55.276 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056884.D

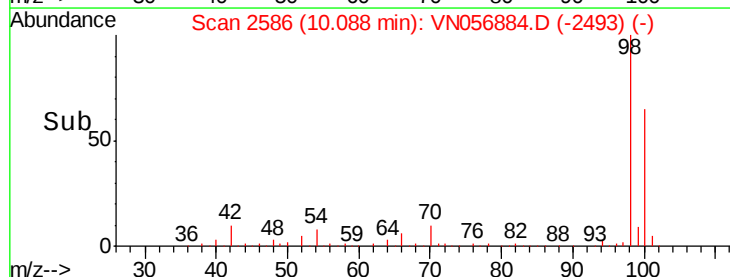
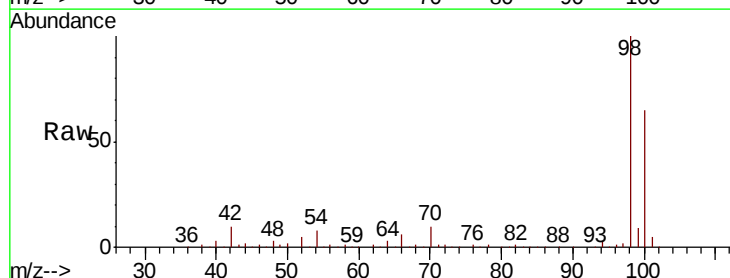
Acq: 23 Jul 2019 17:27

Tgt Ion: 98 Resp: 640838

Ion Ratio Lower Upper

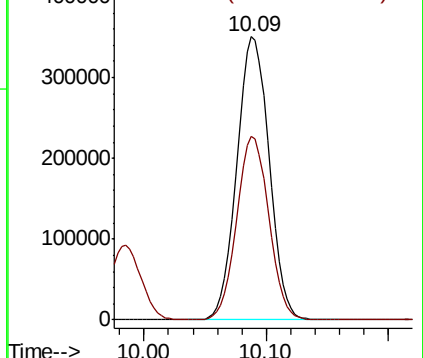
98 100

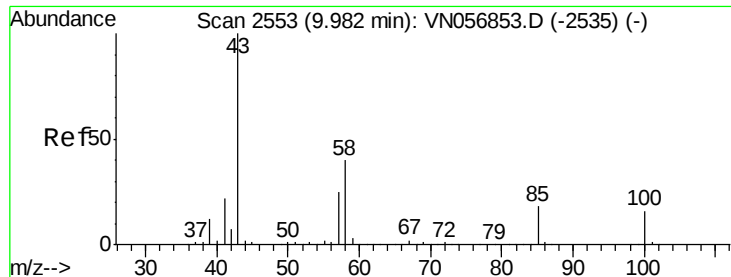
100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 290.954 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

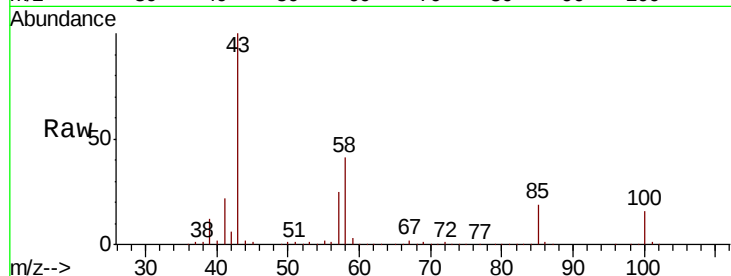
VSTDCCC050EC

Tot Ion: 43 Resp: 1060515

Ion Ratio Lower Upper

43 100

58 40.3 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN056853.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN056853.D (-2535) (-)

9.99

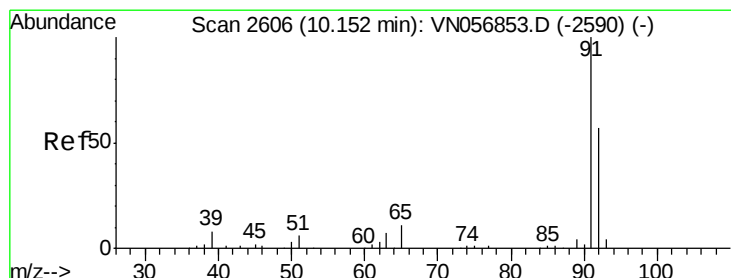
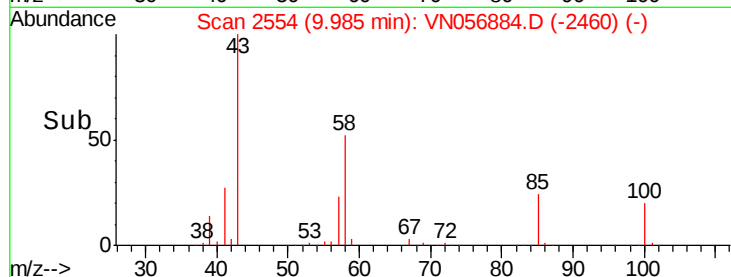
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 55.013 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056884.D

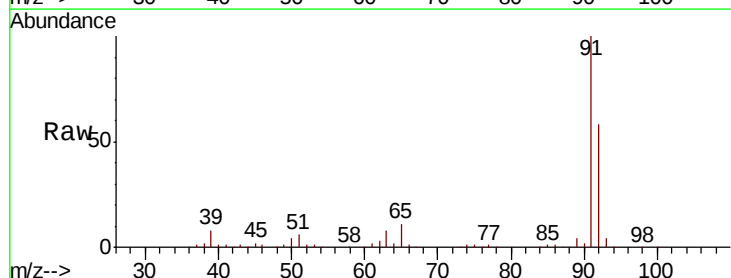
Acq: 23 Jul 2019 17:27

Tgt Ion: 92 Resp: 453382

Ion Ratio Lower Upper

92 100

91 174.4 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN056853.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN056853.D (-2590) (-)

10.15

500000

400000

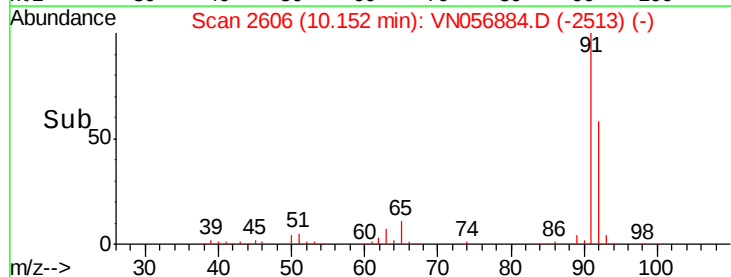
300000

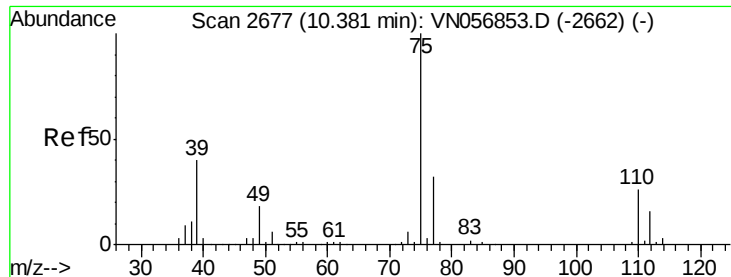
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 57.619 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

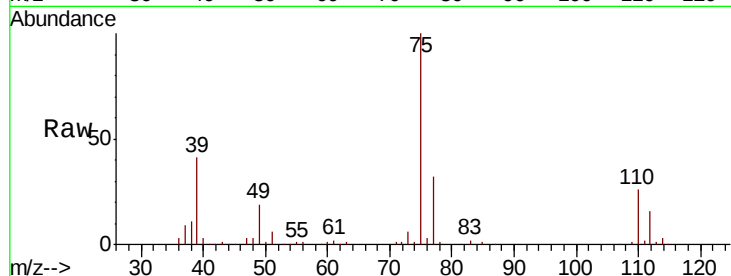
VSTDCCC050EC

Tot Ion: 75 Resp: 253255

Ion Ratio Lower Upper

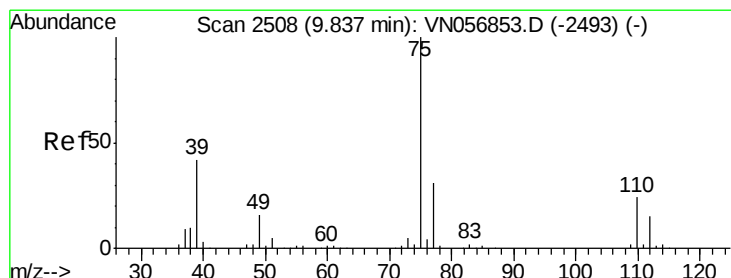
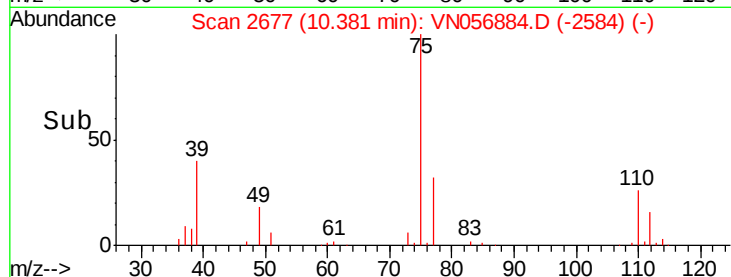
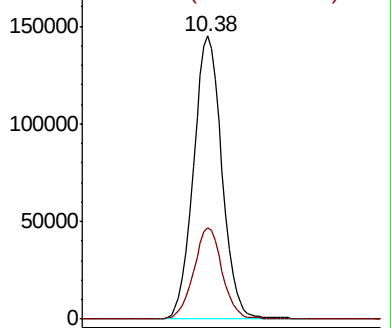
75 100

77 32.2 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 56.047 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

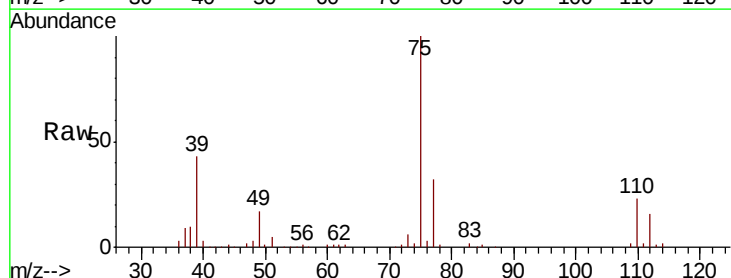
Tgt Ion: 75 Resp: 290422

Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7

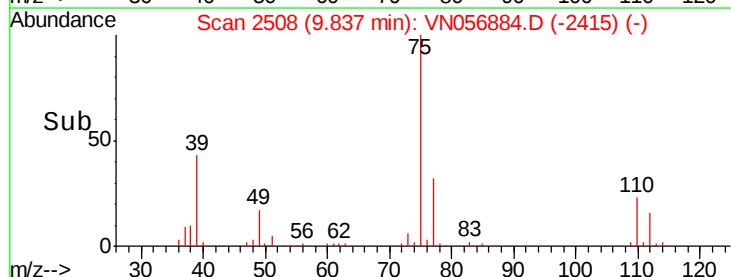
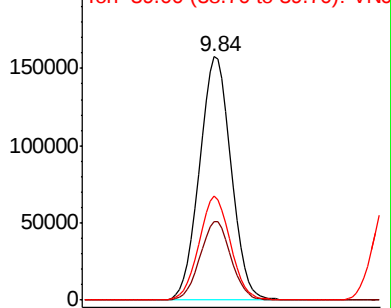
39 42.5 33.4 50.2

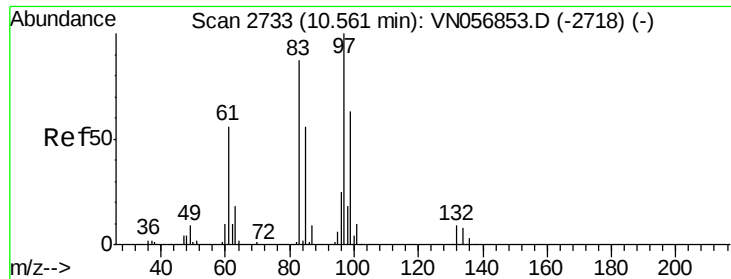


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

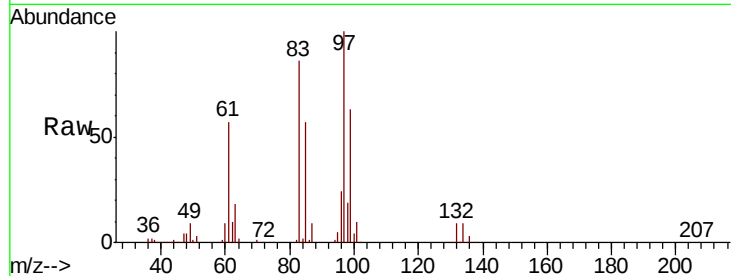




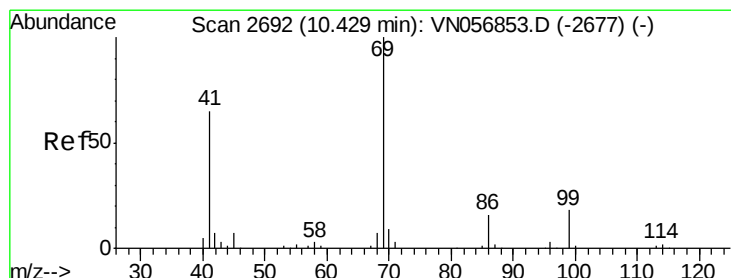
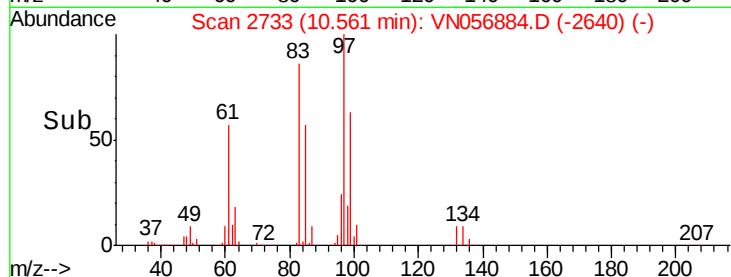
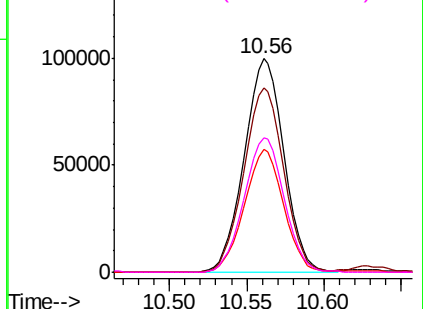
#55
 1,1,2-Trichloroethane
 Concen: 54.551 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 178441
 Ion Ratio Lower Upper
 97 100
 83 86.4 70.0 105.0
 85 57.5 45.1 67.7
 99 63.2 50.2 75.4

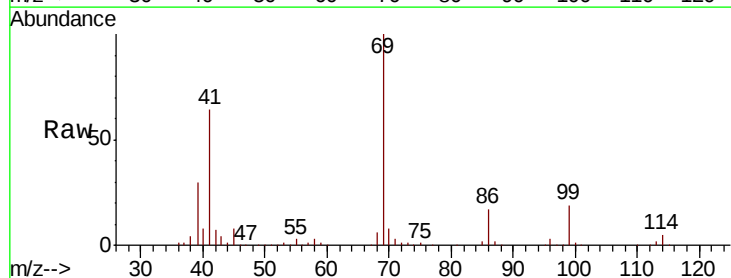


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

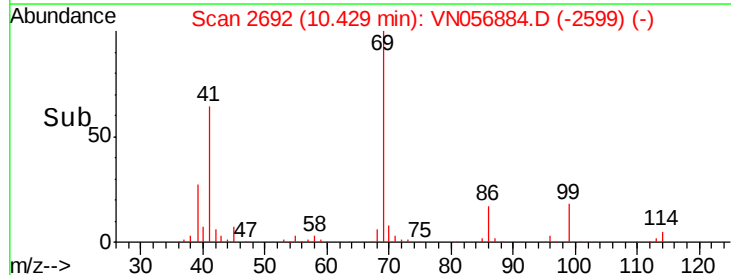
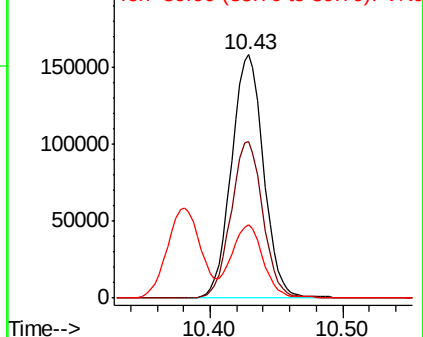


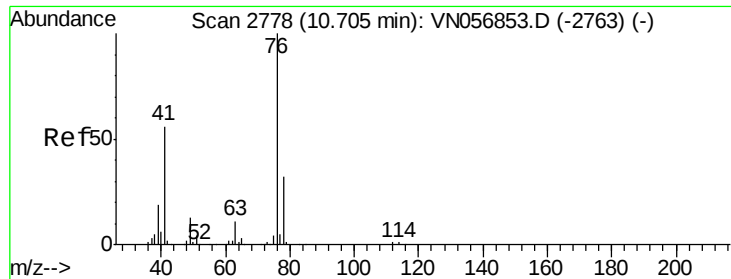
#56
 Ethyl methacrylate
 Concen: 58.583 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion: 69 Resp: 266016
 Ion Ratio Lower Upper
 69 100
 41 63.2 51.0 76.6
 39 29.2 24.5 36.7



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 55.682 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

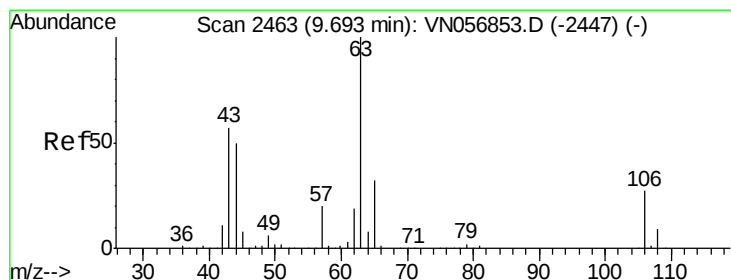
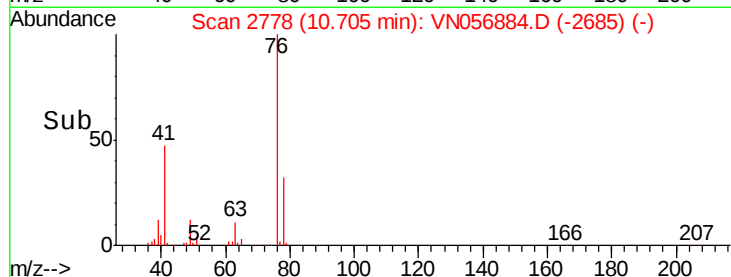
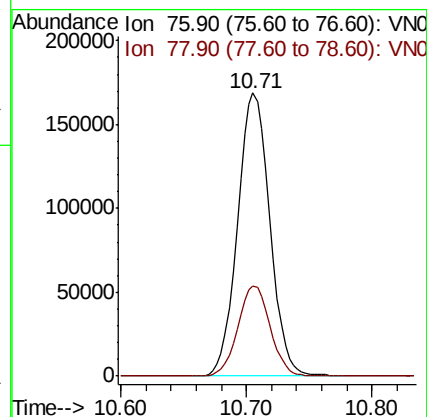
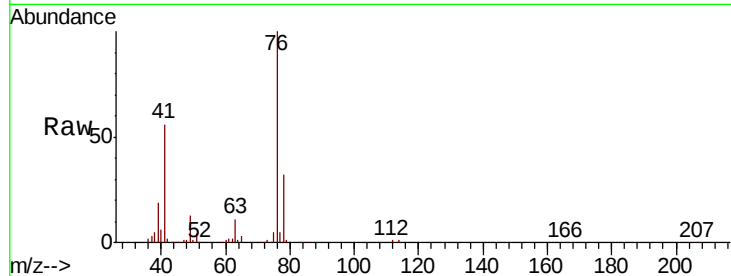
VSTDCCC050EC

Tot Ion: 76 Resp: 301486

Ion Ratio Lower Upper

76 100

78 31.9 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 263.334 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056884.D

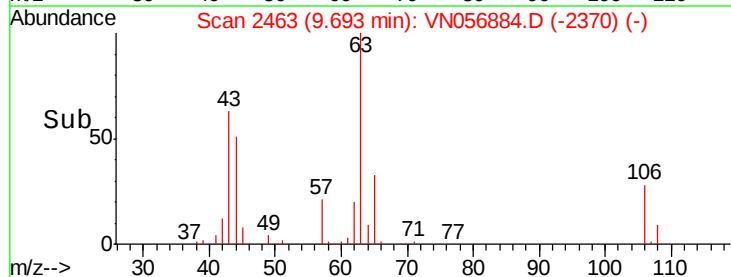
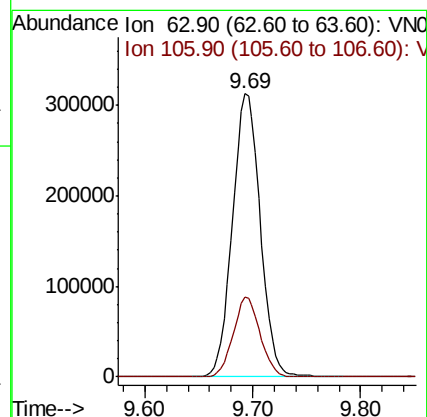
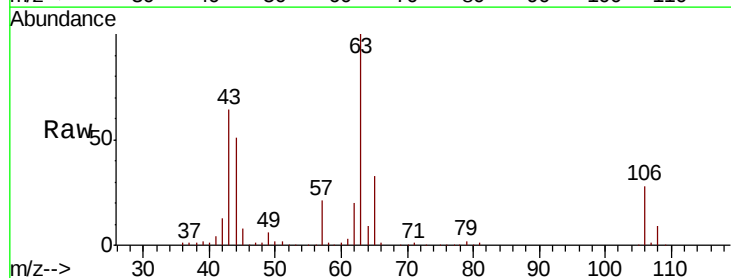
Acq: 23 Jul 2019 17:27

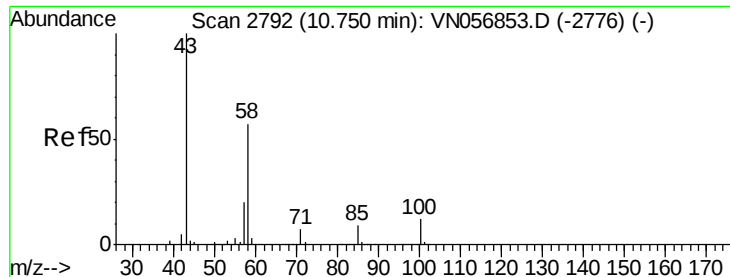
Tgt Ion: 63 Resp: 563680

Ion Ratio Lower Upper

63 100

106 27.1 21.8 32.8

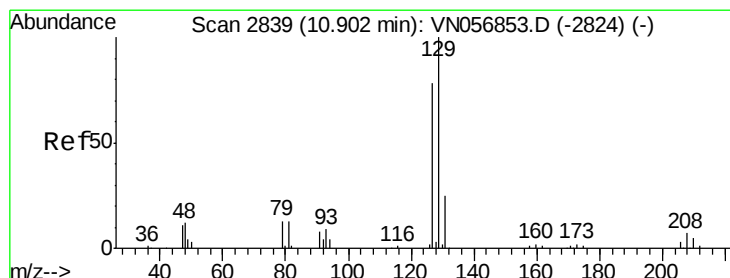
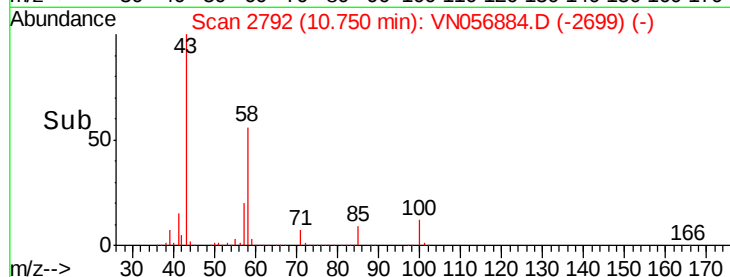
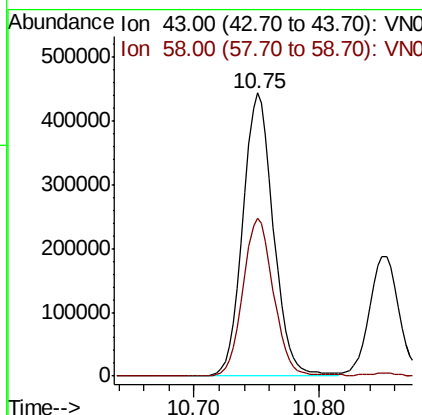
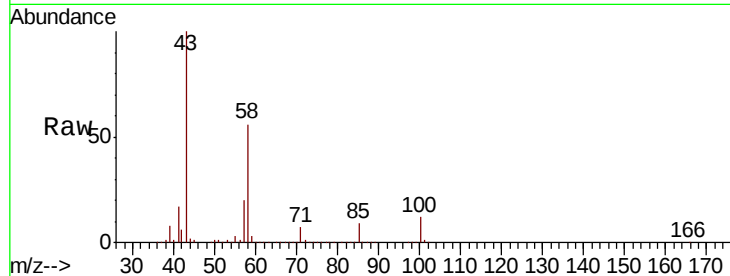




#59
2-Hexanone
Concen: 296.295 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

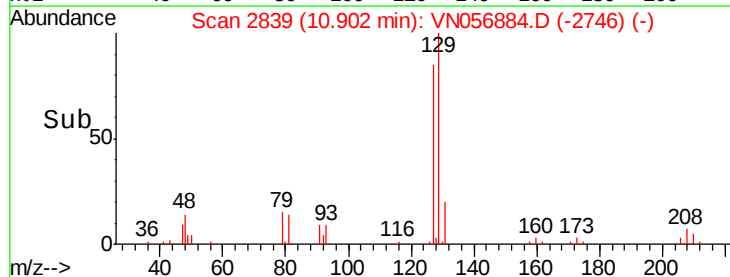
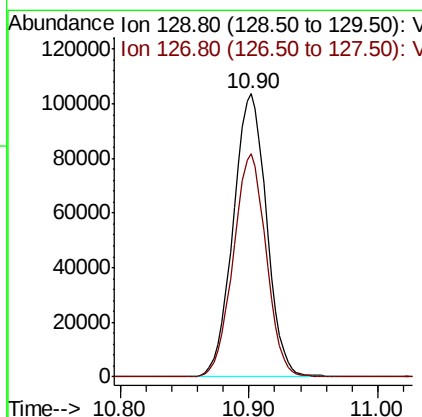
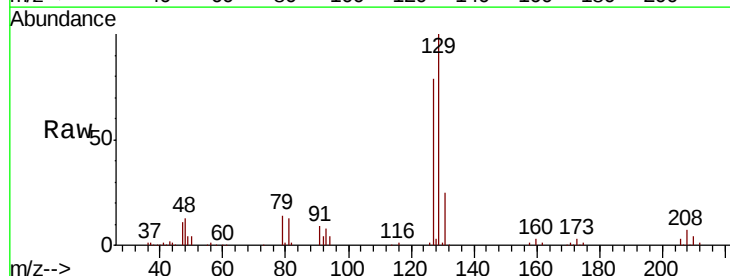
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

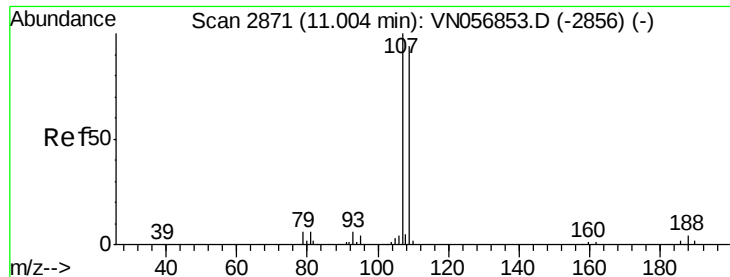
Tot Ion: 43 Resp: 747554
Ion Ratio Lower Upper
43 100
58 56.0 28.3 85.0



#60
Dibromochloromethane
Concen: 56.852 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 129 Resp: 186609
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5

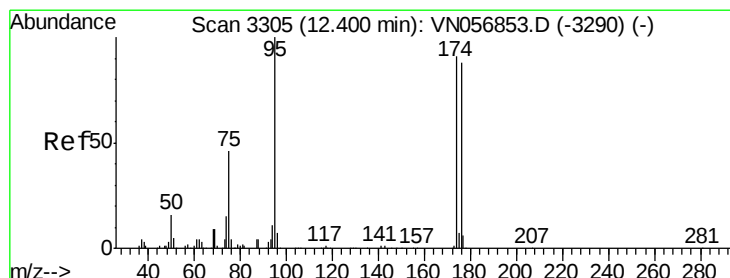
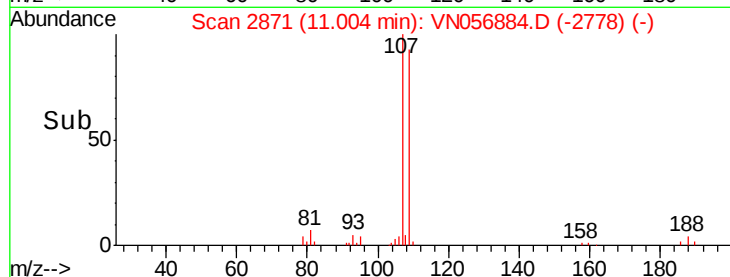
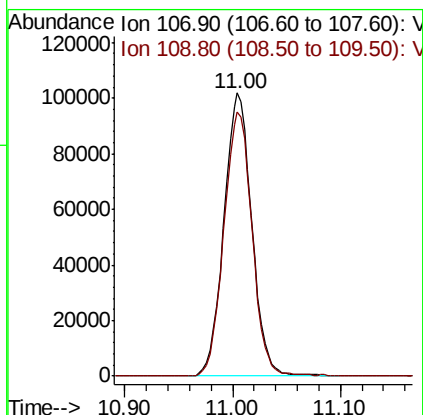
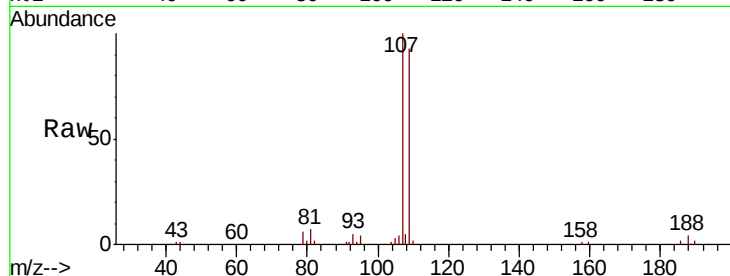




#61
 1,2-Dibromoethane
 Concen: 56.348 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

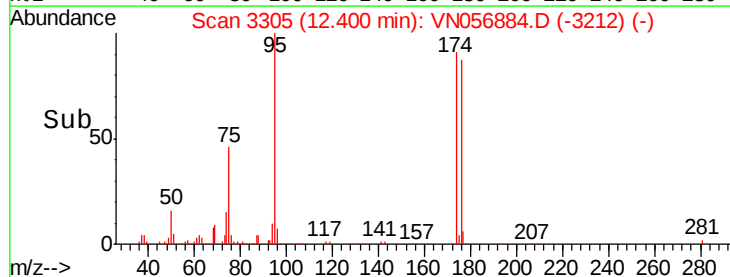
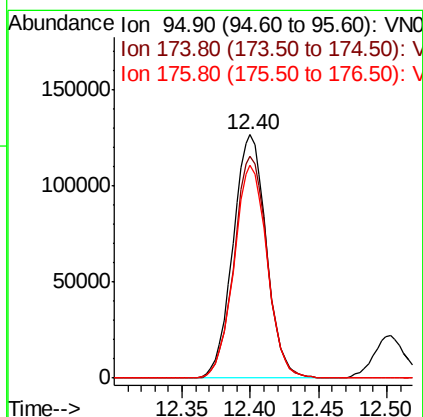
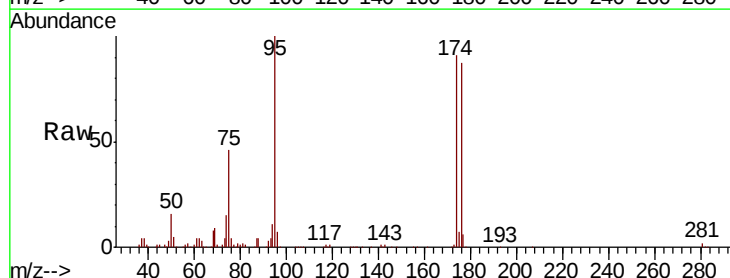
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

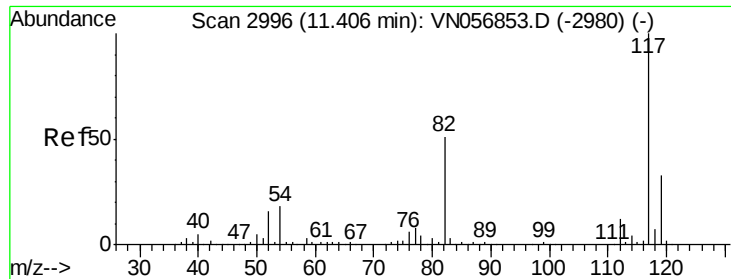
Tot Ion: 107 Resp: 183054
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 56.549 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion: 95 Resp: 214548
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 183.4
 176 87.2 0.0 175.8

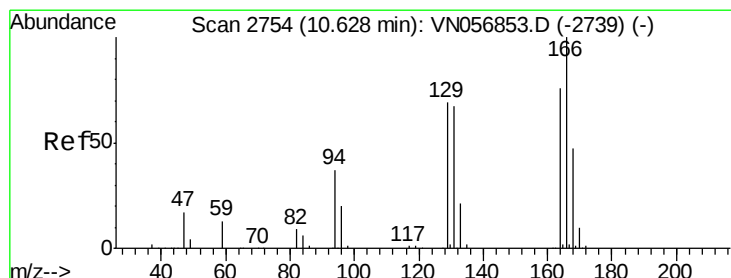
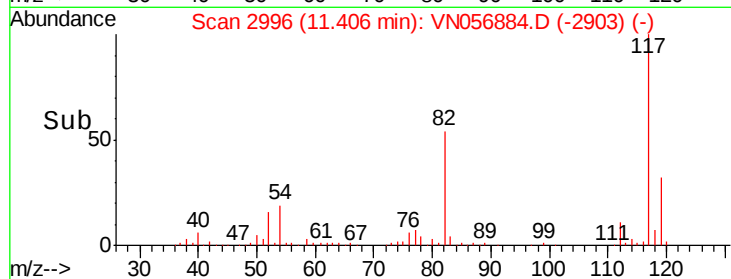
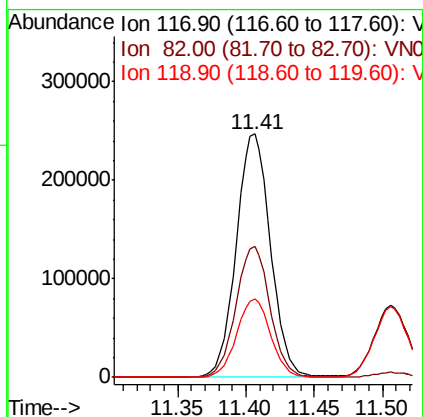
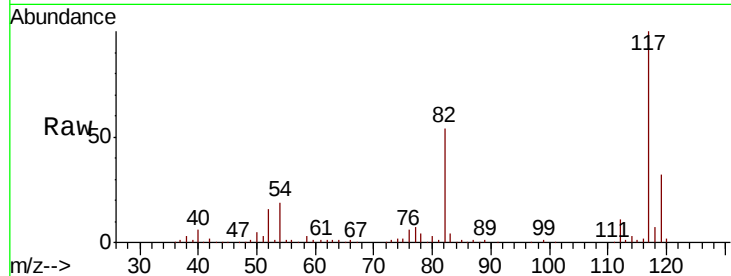




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

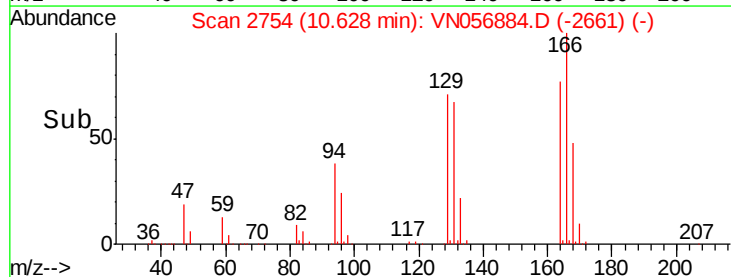
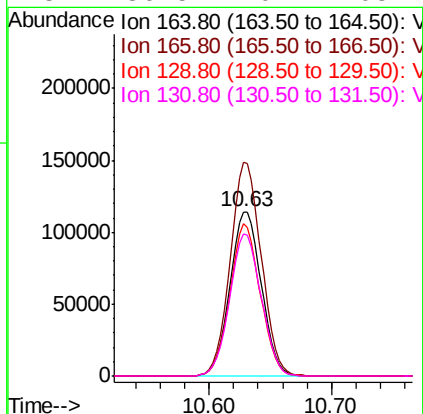
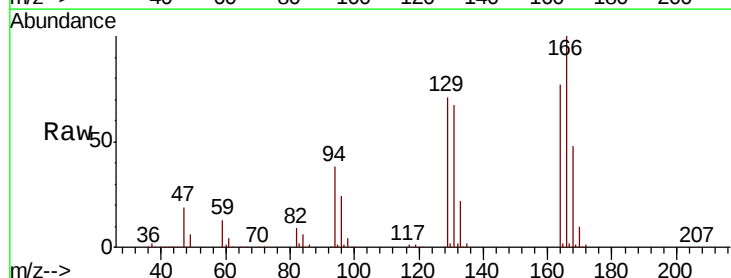
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

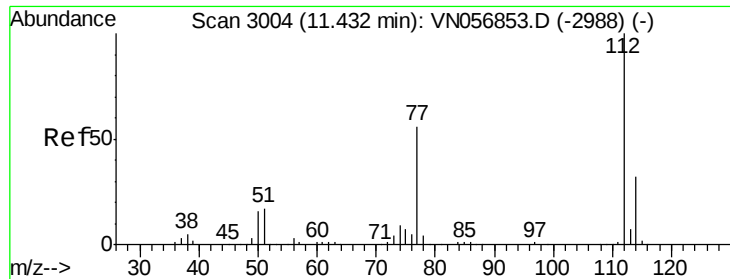
Tot Ion:117 Resp: 430812
Ion Ratio Lower Upper
117 100
82 53.6 41.2 61.8
119 32.2 26.4 39.6



#64
Tetrachloroethene
Concen: 55.349 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion:164 Resp: 204562
Ion Ratio Lower Upper
164 100
166 129.8 104.9 157.3
129 92.7 72.8 109.2
131 86.5 70.2 105.2

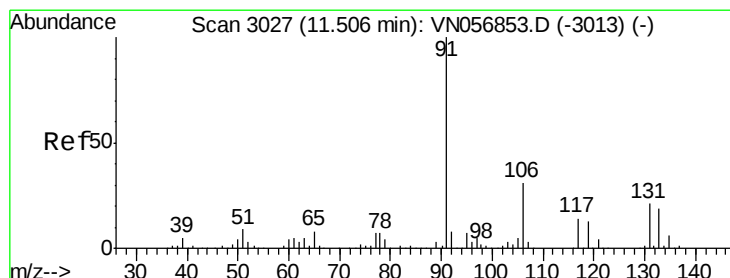
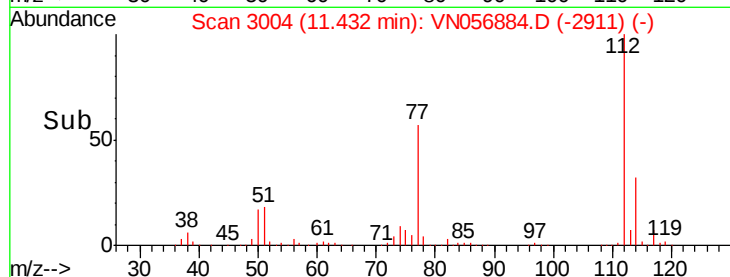
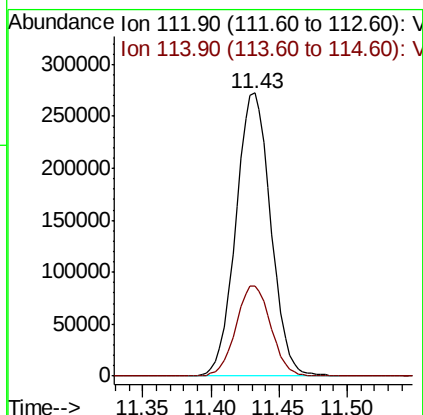
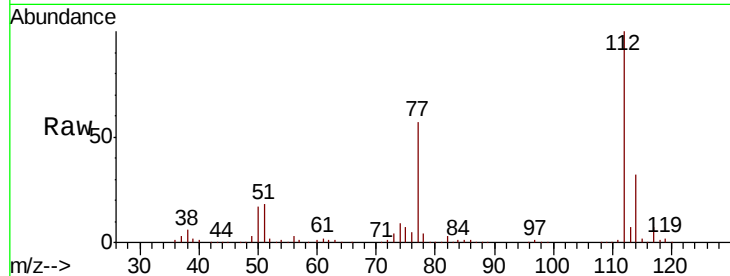




#65
Chlorobenzene
Concen: 53.942 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

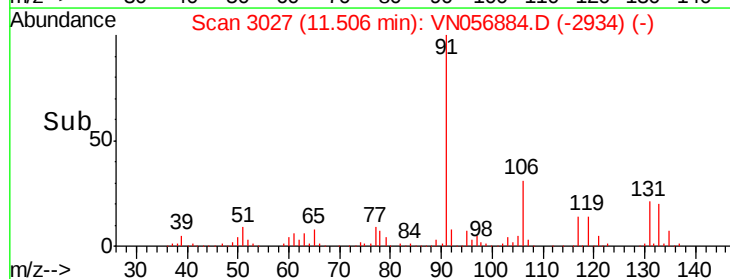
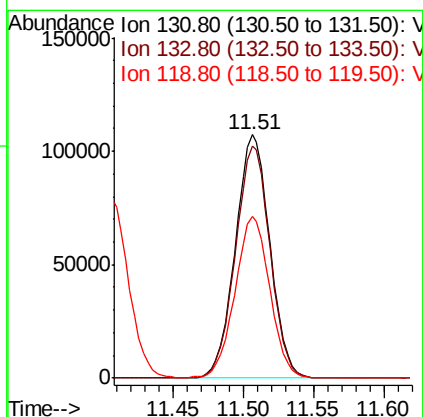
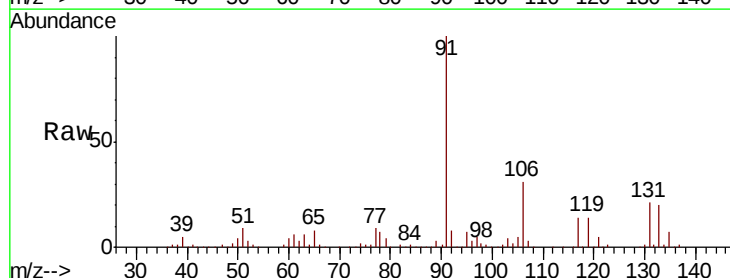
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

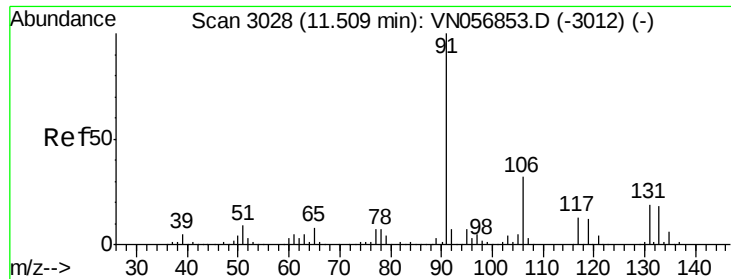
Tot Ion:112 Resp: 482930
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 54.470 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion:131 Resp: 183847
Ion Ratio Lower Upper
131 100
133 95.6 47.4 142.3
119 67.0 33.1 99.5

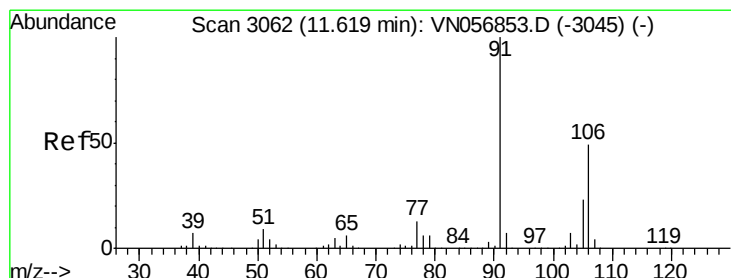
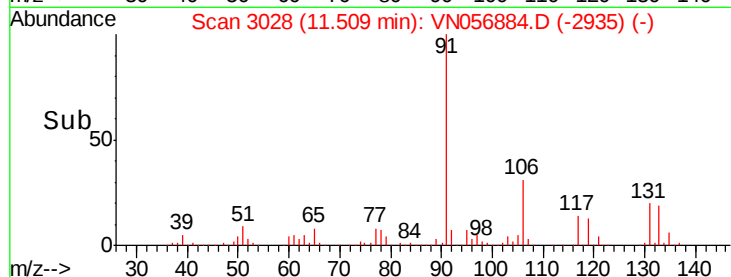
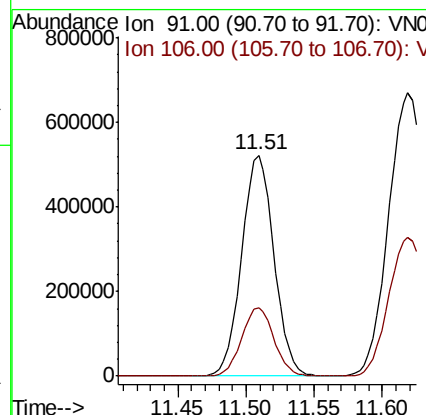
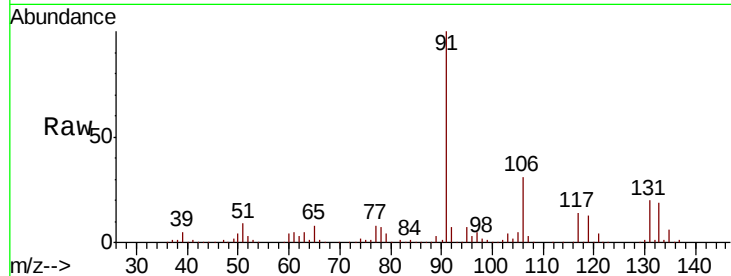




#67
Ethyl Benzene
Concen: 55.627 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

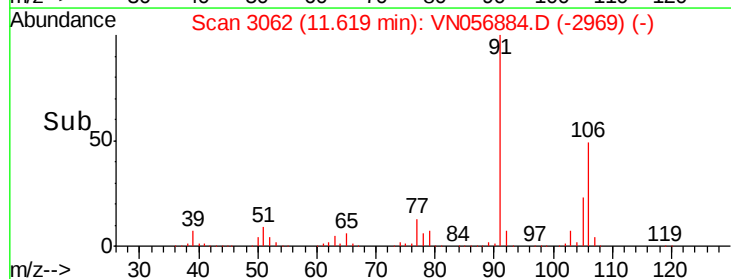
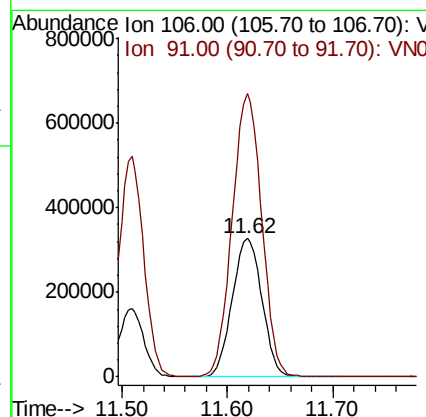
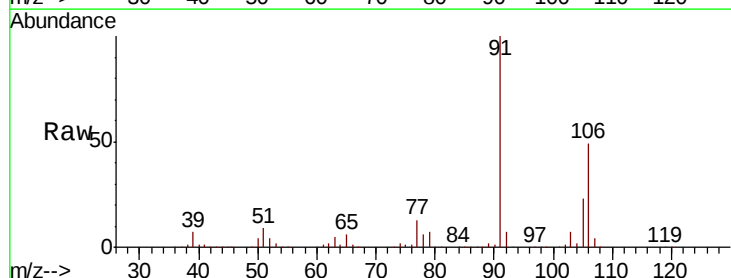
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

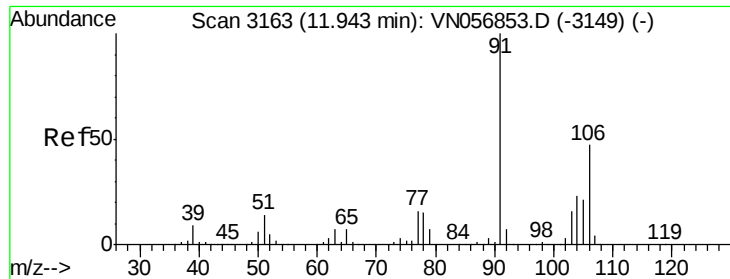
Tot Ion: 91 Resp: 859721
Ion Ratio Lower Upper
91 100
106 31.0 25.3 37.9



#68
m/p-Xylenes
Concen: 110.577 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion: 106 Resp: 639797
Ion Ratio Lower Upper
106 100
91 202.9 160.5 240.7

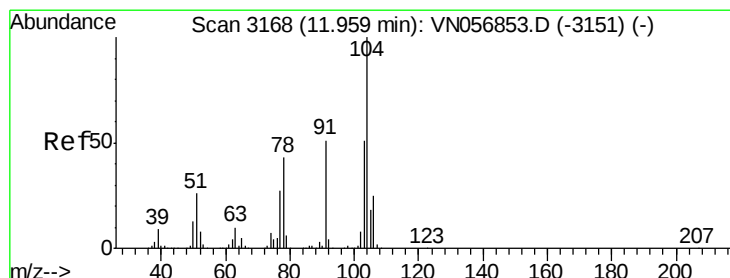
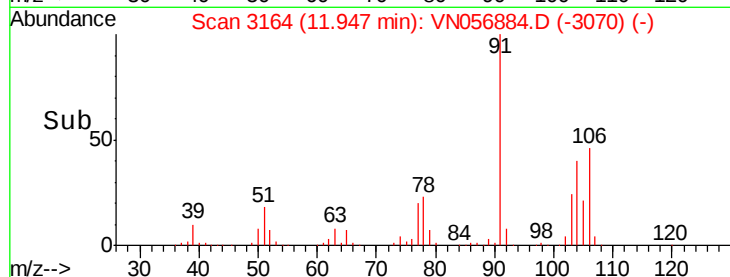
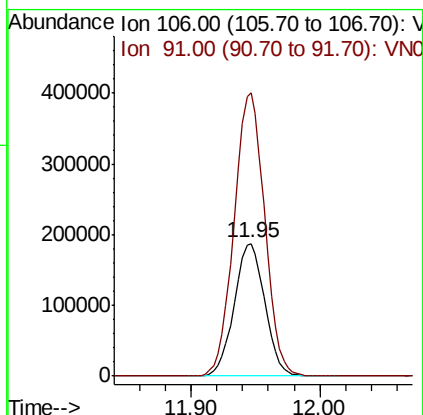
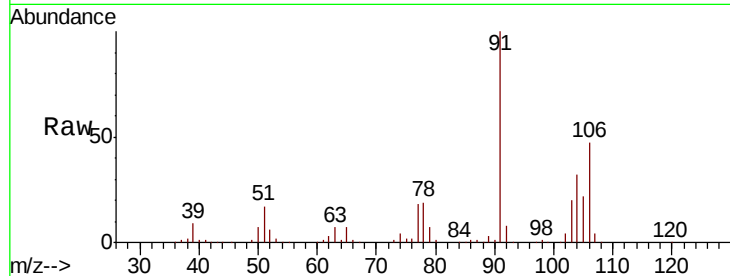




#69
o-Xylene
Concen: 54.668 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

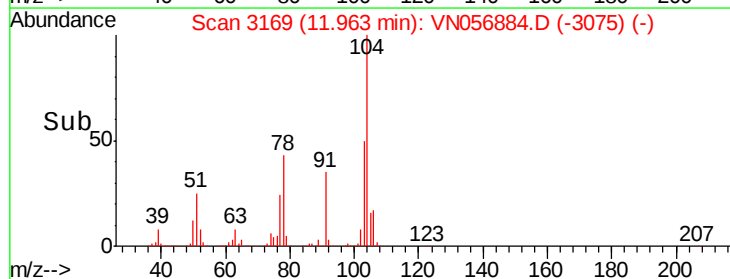
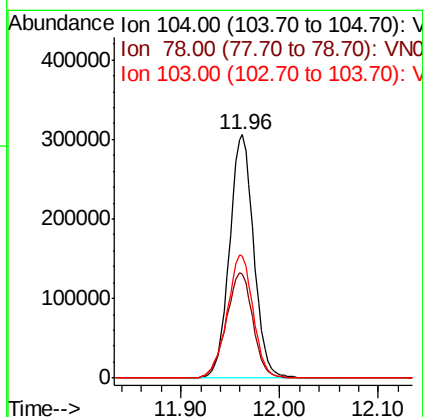
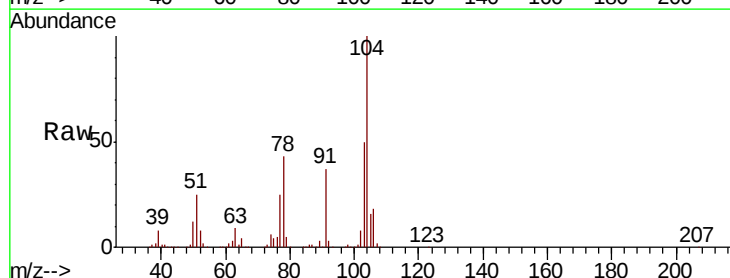
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

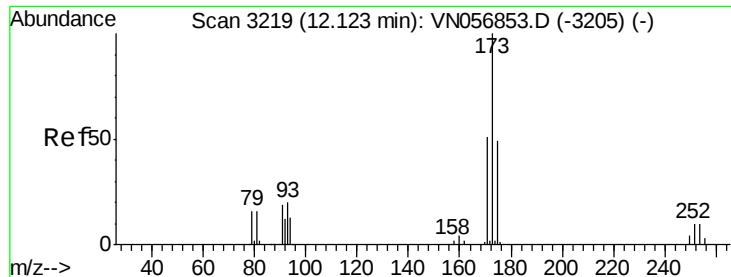
Tot Ion:106 Resp: 308780
Ion Ratio Lower Upper
106 100
91 213.9 105.1 315.3



#70
Styrene
Concen: 52.946 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion:104 Resp: 525084
Ion Ratio Lower Upper
104 100
78 47.9 38.1 57.1
103 54.5 44.2 66.4

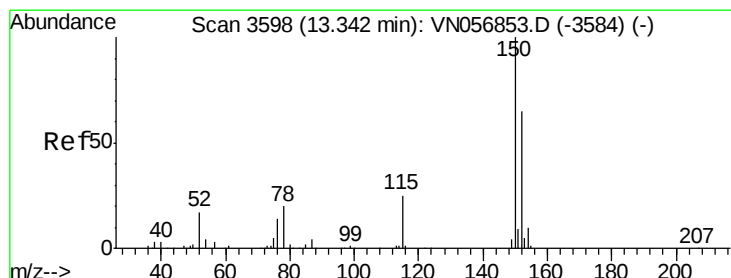
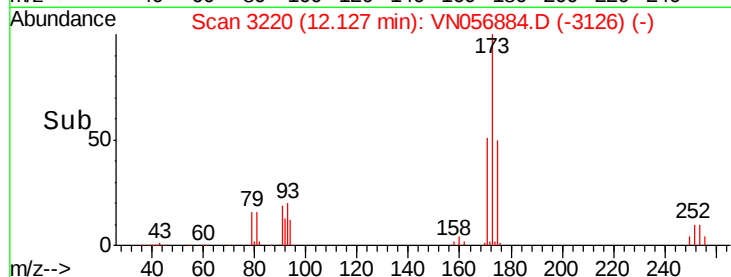
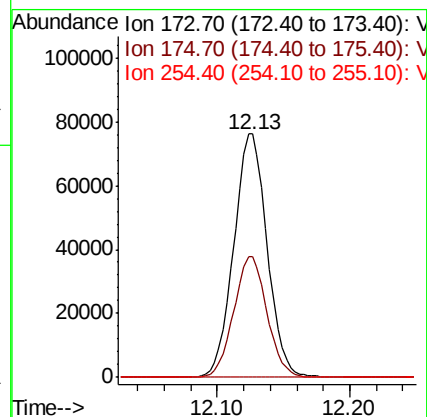
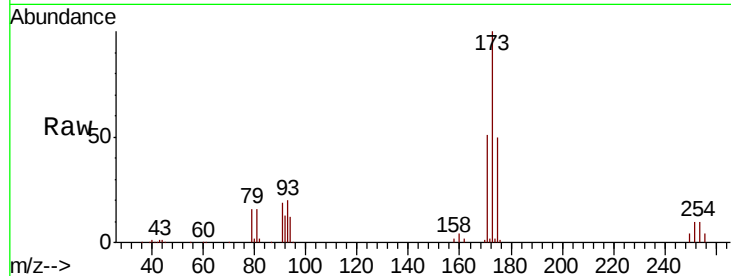




#71
Bromoform
Concen: 56.769 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

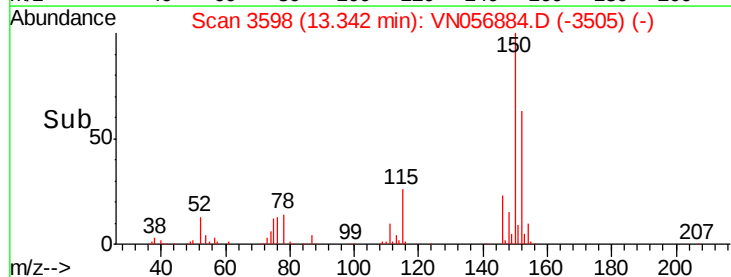
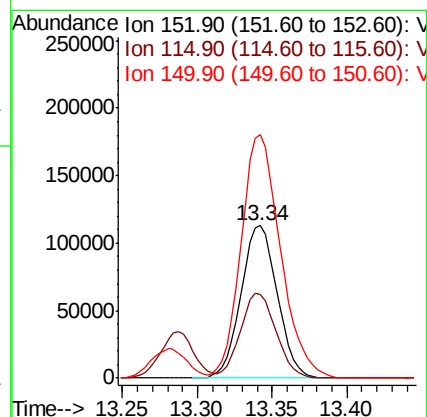
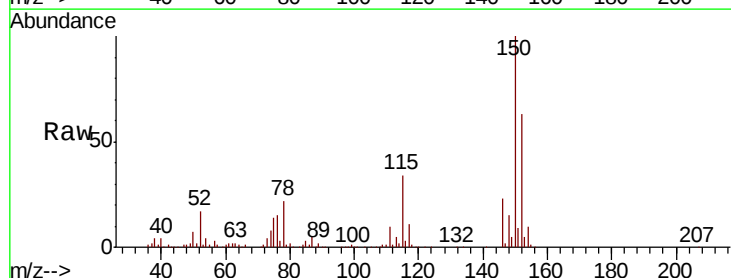
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

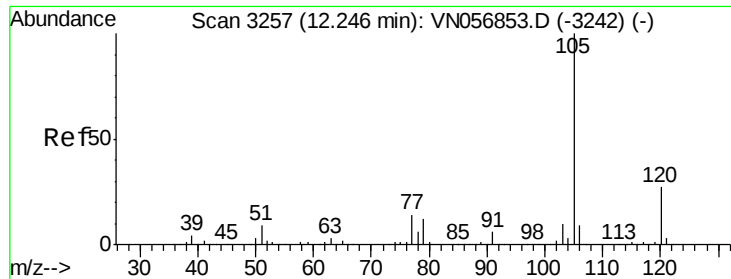
Tot Ion:173 Resp: 132779
Ion Ratio Lower Upper
173 100
175 49.5 24.1 72.3
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056884.D
Acq: 23 Jul 2019 17:27

Tgt Ion:152 Resp: 190558
Ion Ratio Lower Upper
152 100
115 54.8 27.6 82.7
150 173.8 0.0 343.0





#73

Isopropylbenzene

Concen: 57.724 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

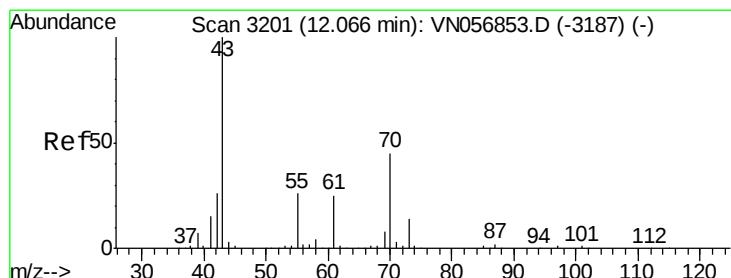
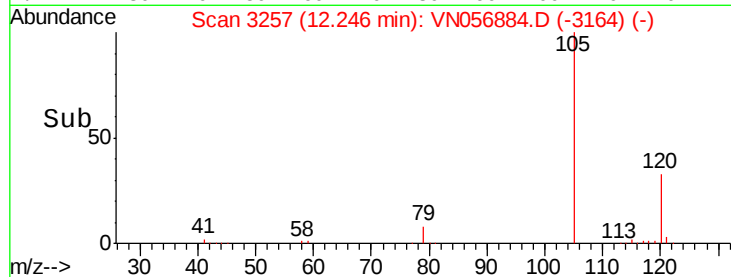
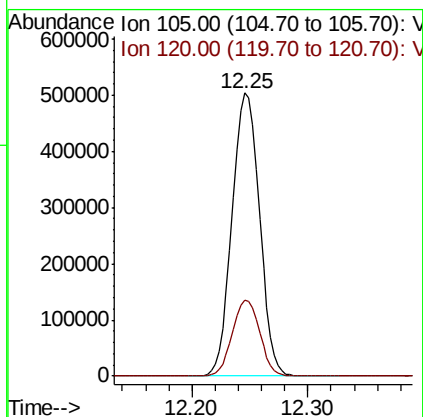
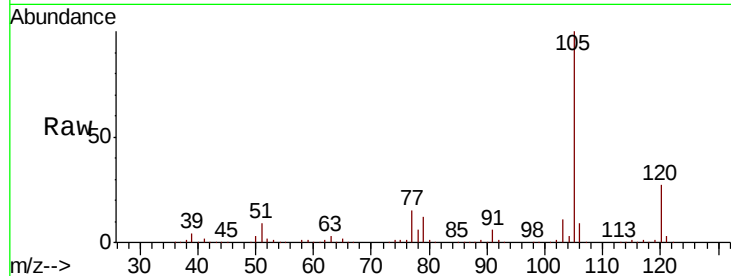
VSTDCCC050EC

Tot Ion:105 Resp: 826742

Ion Ratio Lower Upper

105 100

120 26.9 13.4 40.2



#74

N-ethyl acetate

Concen: 52.202 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Tgt Ion: 43 Resp: 292075

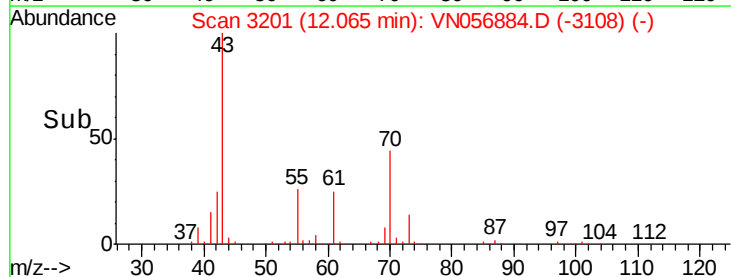
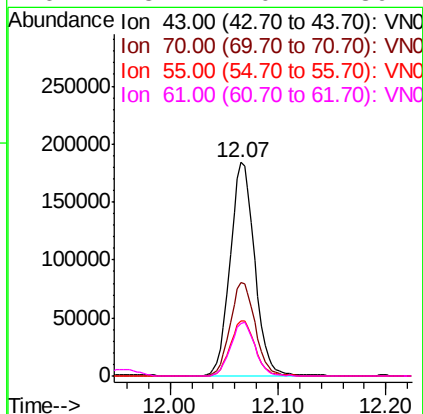
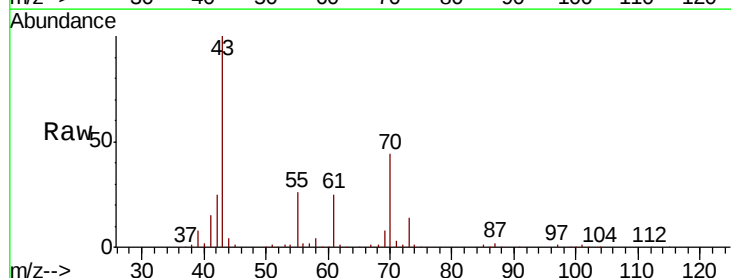
Ion Ratio Lower Upper

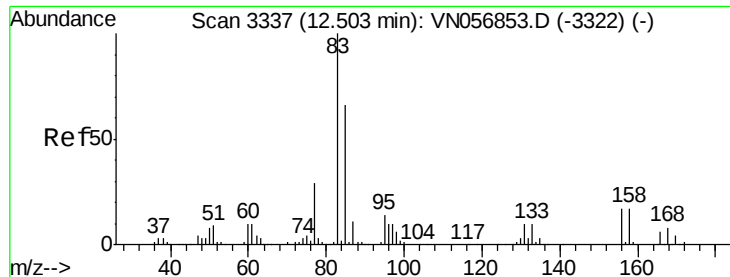
43 100

70 44.7 35.3 52.9

55 26.4 20.6 31.0

61 25.1 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 58.924 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

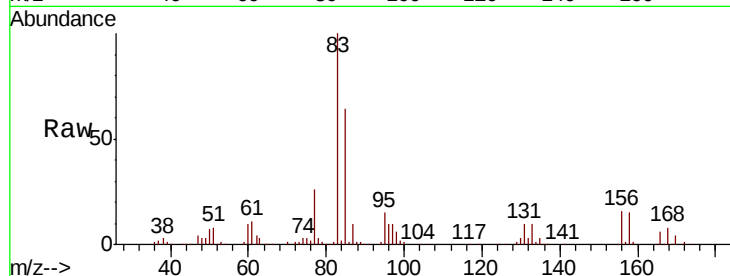
Tot Ion: 83 Resp: 240873

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.4

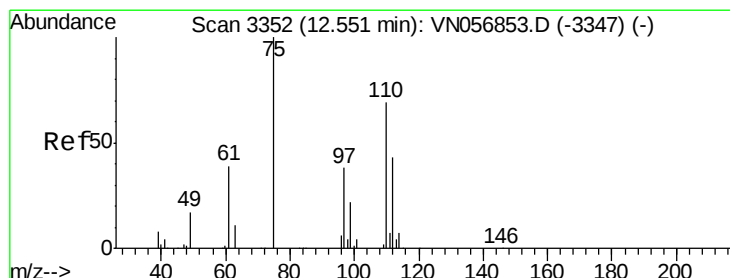
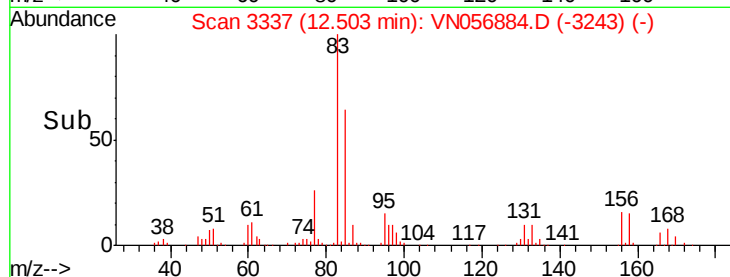
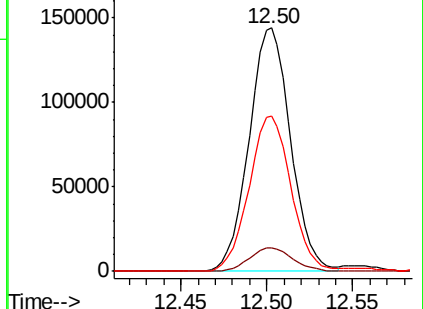
85 64.5 32.8 98.3



Abundance Ion 82.90 (82.60 to 83.60): VN056884.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN056884.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN056884.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 74.912 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN056884.D

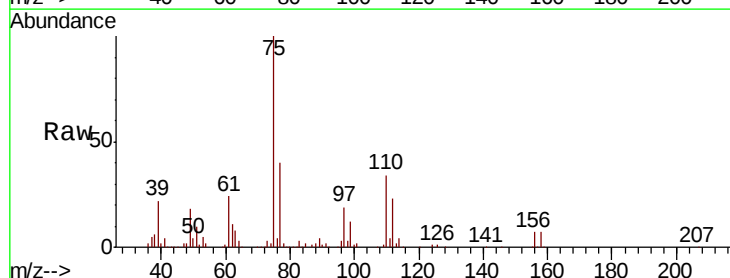
Acq: 23 Jul 2019 17:27

Tgt Ion: 75 Resp: 295841

Ion Ratio Lower Upper

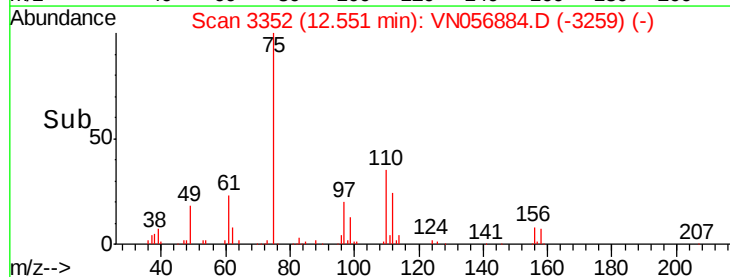
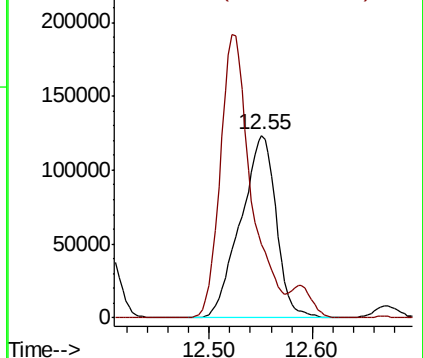
75 100

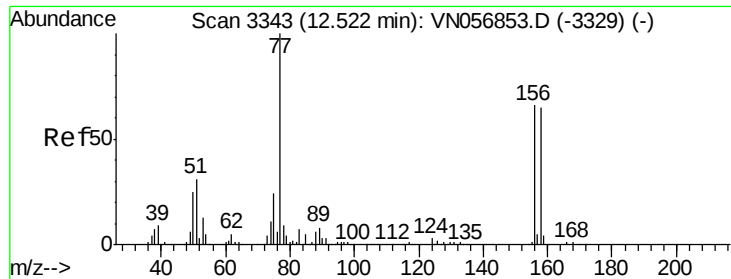
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056884.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN056884.D (-3259) (-)





#77

Bromobenzene

Concen: 52.899 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

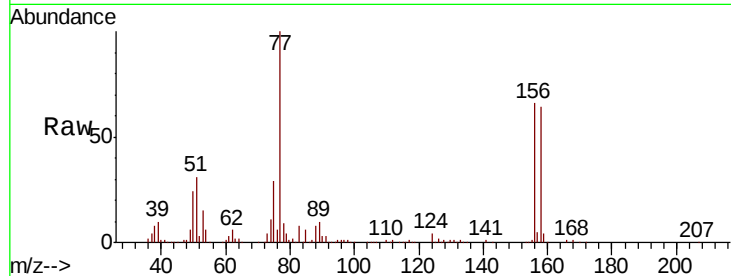
Tot Ion:156 Resp: 219879

Ion Ratio Lower Upper

156 100

77 181.8 90.7 272.1

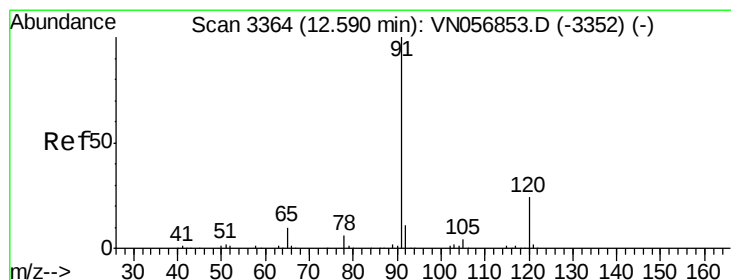
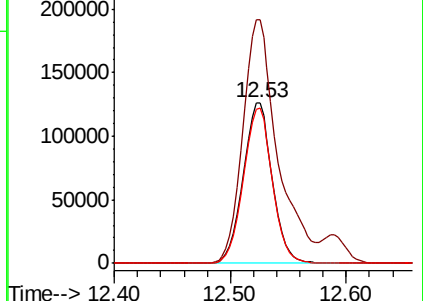
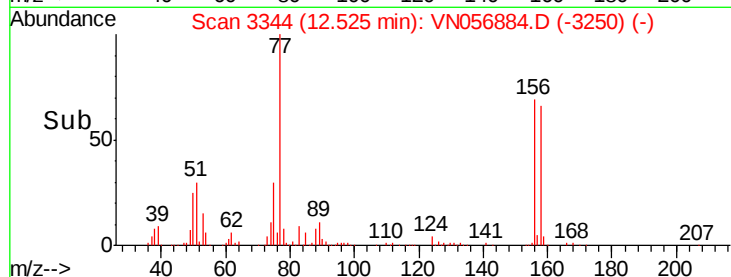
158 96.2 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.355 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056884.D

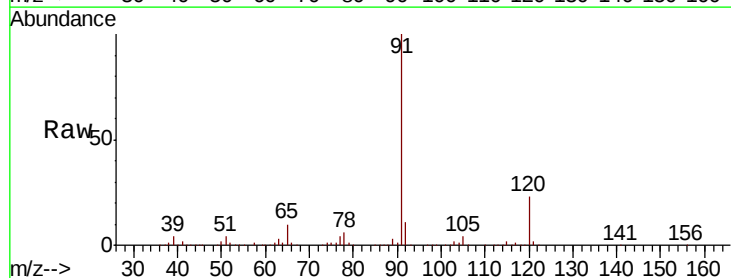
Acq: 23 Jul 2019 17:27

Tgt Ion: 91 Resp: 917016

Ion Ratio Lower Upper

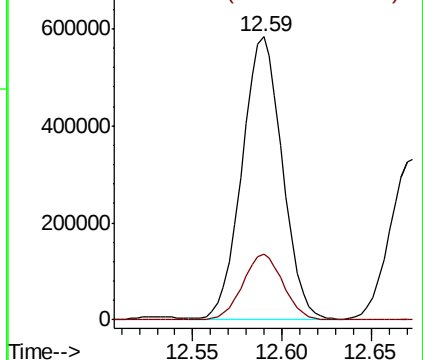
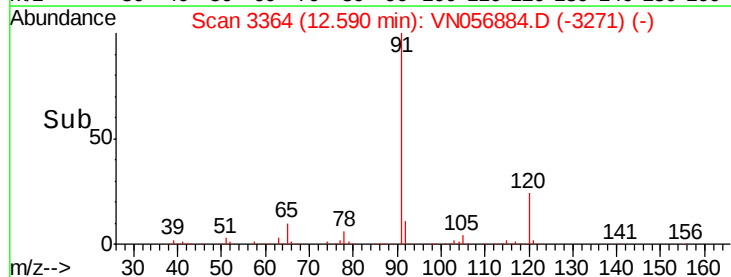
91 100

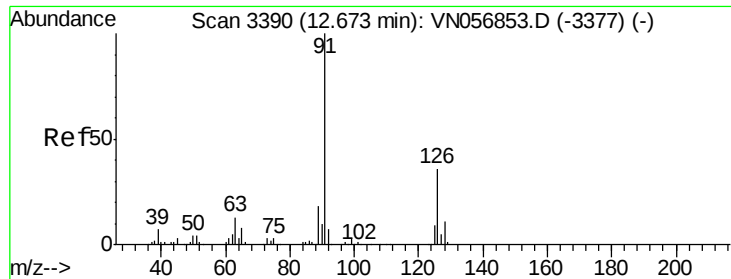
120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.180 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

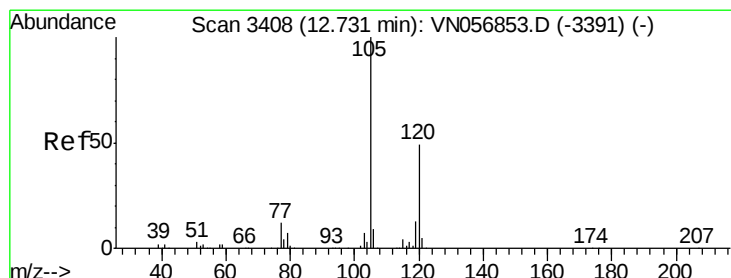
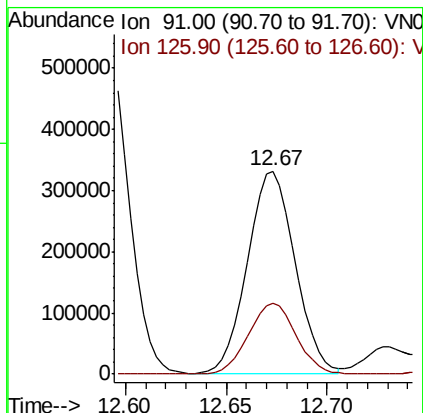
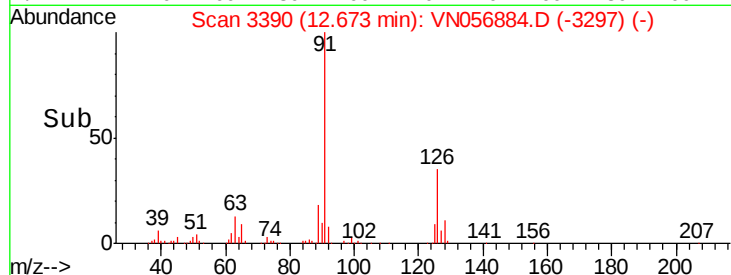
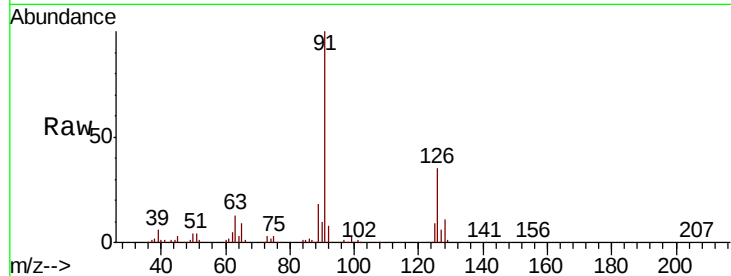
VSTDCCC050EC

Tot Ion: 91 Resp: 546334

Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.5



#80

1,3,5-Trimethylbenzene

Concen: 57.283 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056884.D

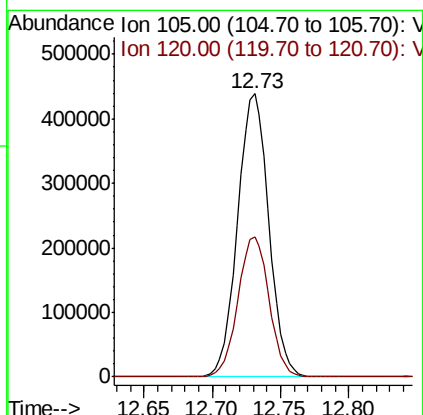
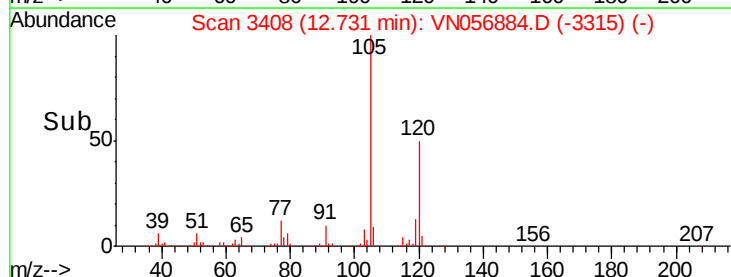
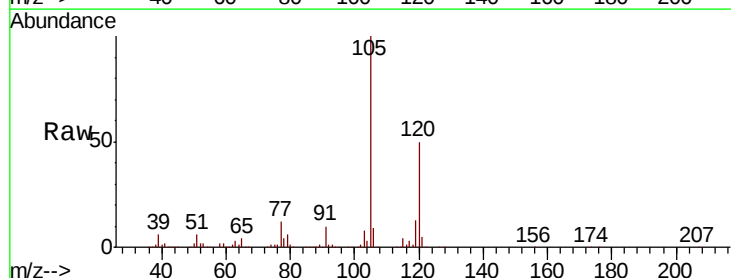
Acq: 23 Jul 2019 17:27

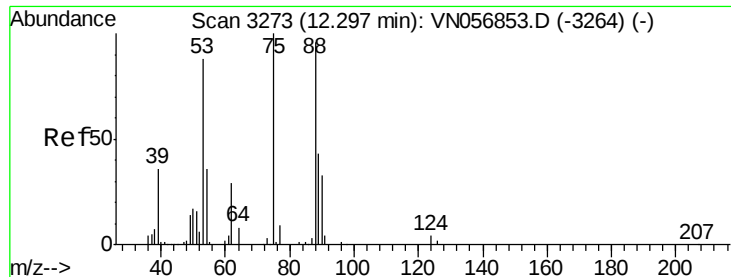
Tgt Ion: 105 Resp: 694362

Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 57.292 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

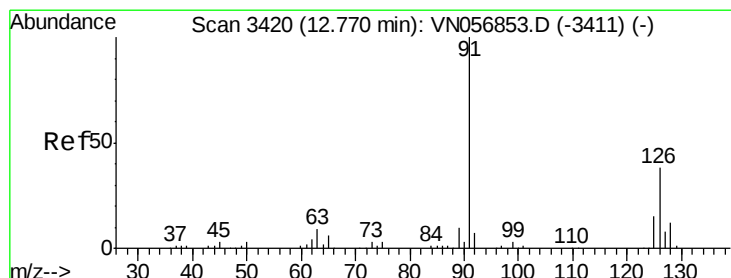
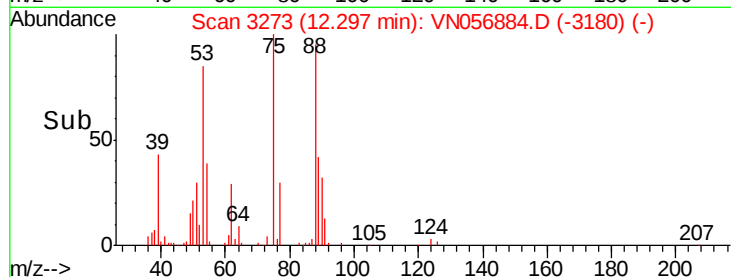
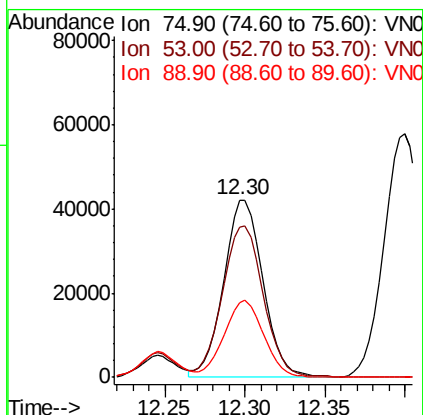
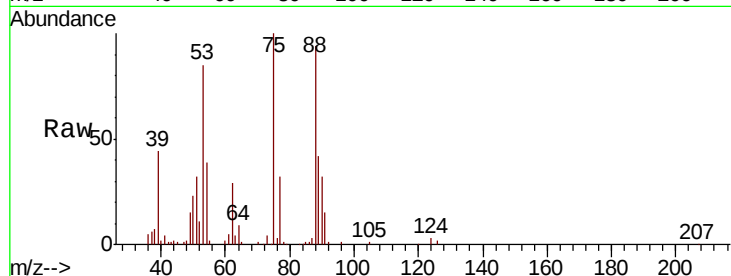
Tot Ion: 75 Resp: 70643

Ion Ratio Lower Upper

75 100

53 88.8 72.3 108.5

89 43.8 36.2 54.4



#82

4-Chlorotoluene

Concen: 51.167 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056884.D

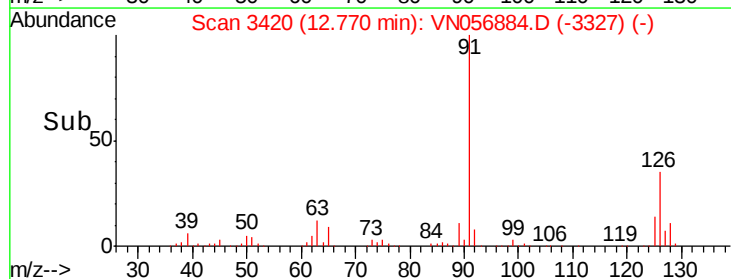
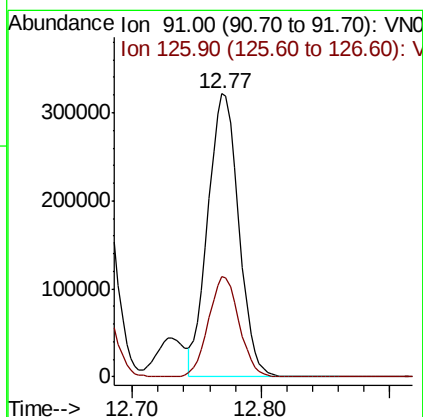
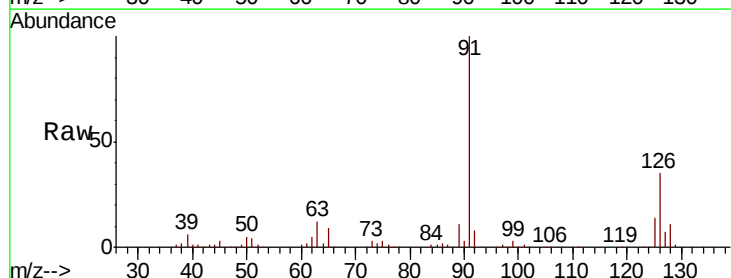
Acq: 23 Jul 2019 17:27

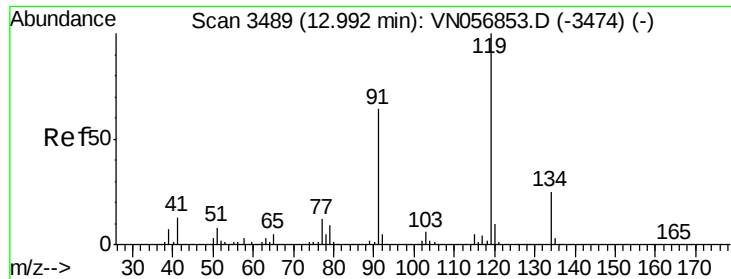
Tgt Ion: 91 Resp: 533196

Ion Ratio Lower Upper

91 100

126 35.2 17.3 52.0

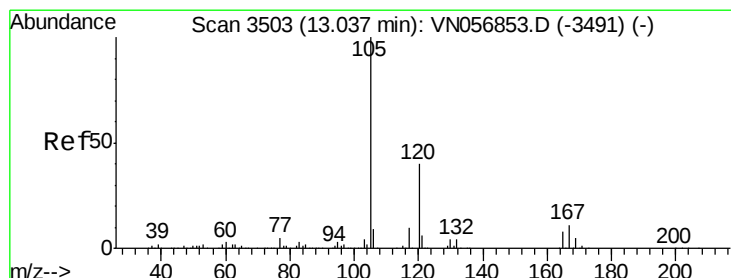
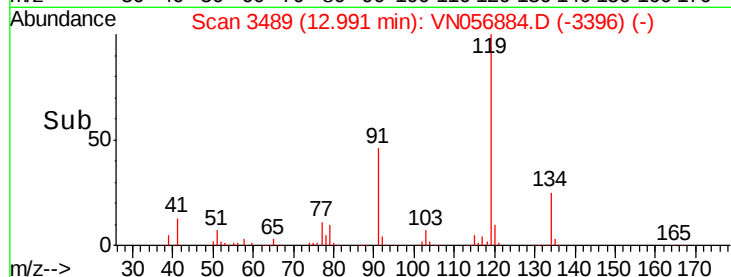
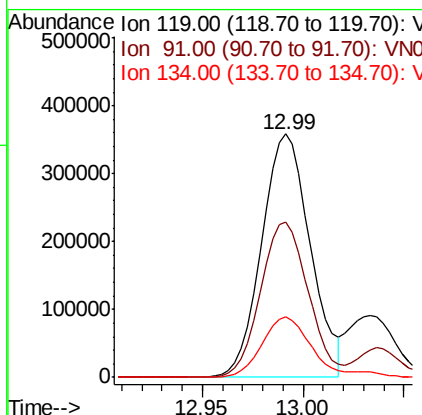
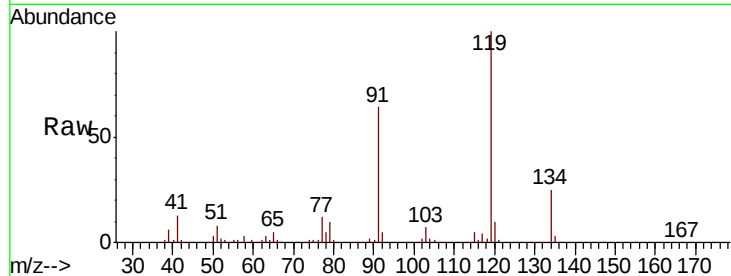




#83
 tert-Butylbenzene
 Concen: 57.092 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

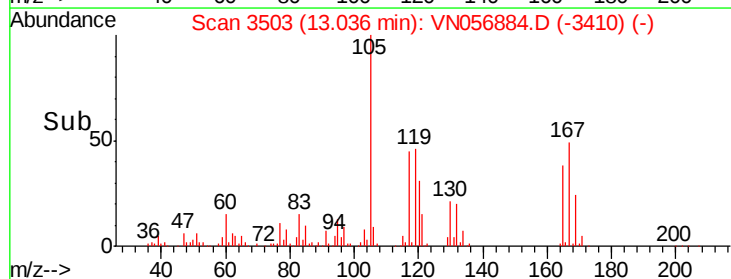
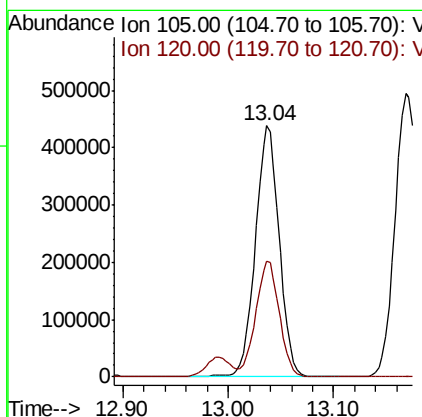
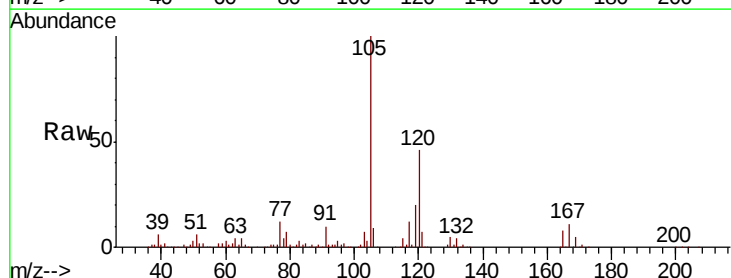
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

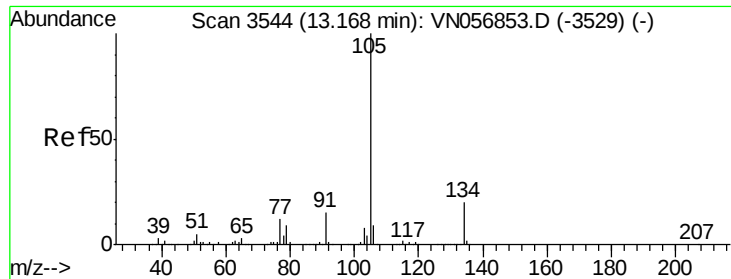
Tot Ion:119 Resp: 600144
 Ion Ratio Lower Upper
 119 100
 91 63.0 31.5 94.5
 134 26.3 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 52.344 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion:105 Resp: 691032
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.2 69.5





#85

sec-Butylbenzene

Concen: 50.699 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampled :

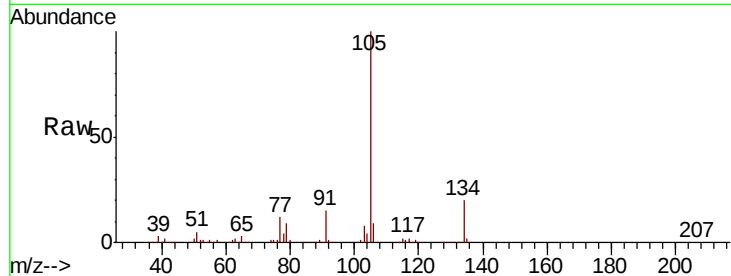
VSTDCCC050EC

Tot Ion:105 Resp: 786546

Ion Ratio Lower Upper

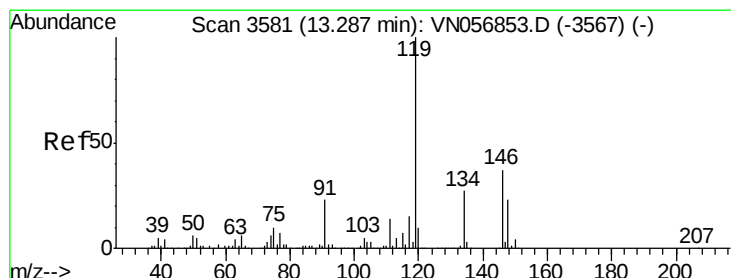
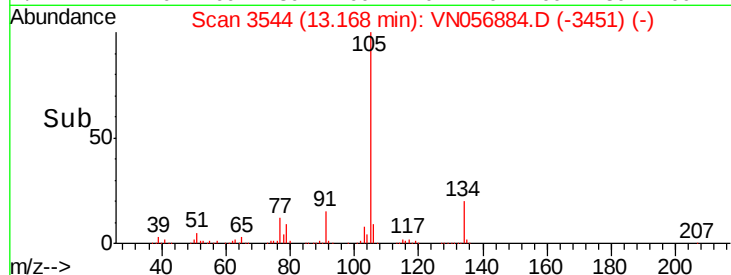
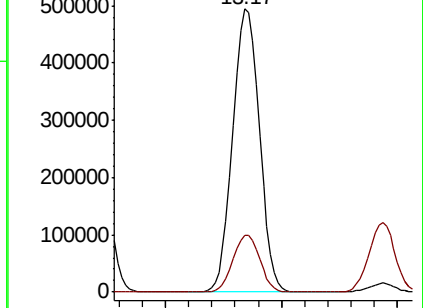
105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.846 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

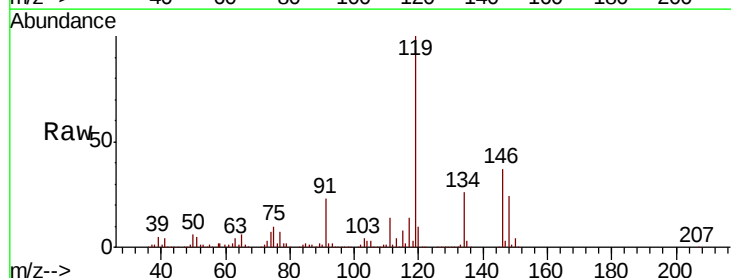
Tgt Ion:119 Resp: 716546

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

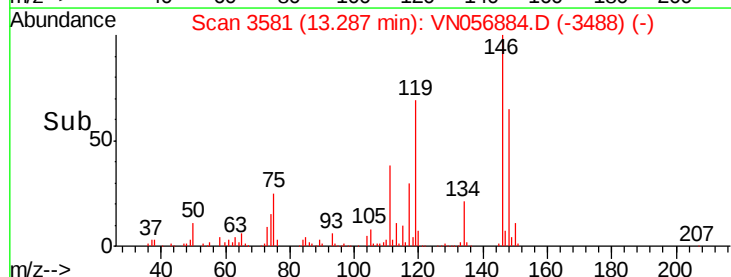
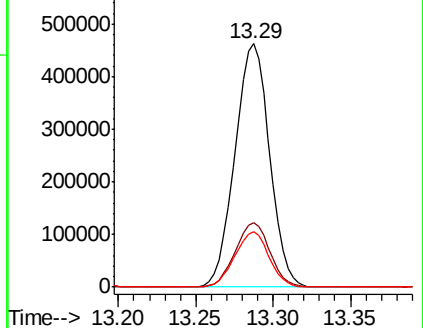
91 22.4 11.3 33.8

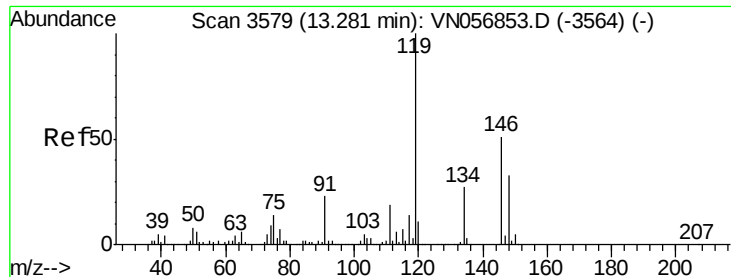


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.829 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

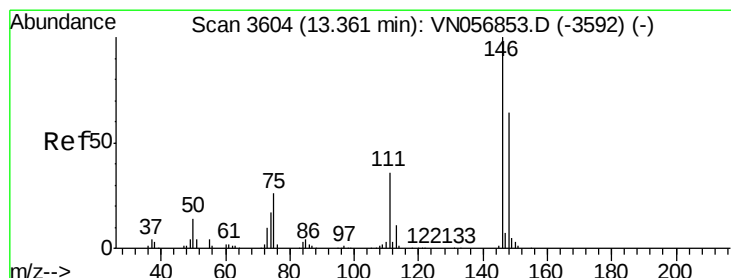
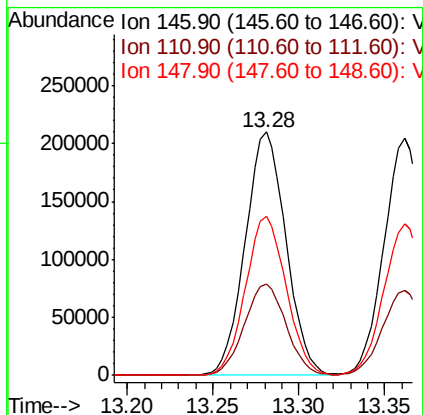
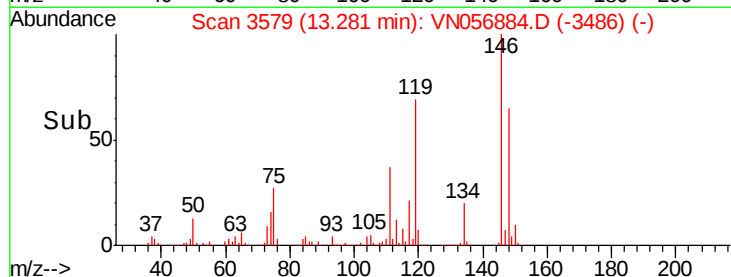
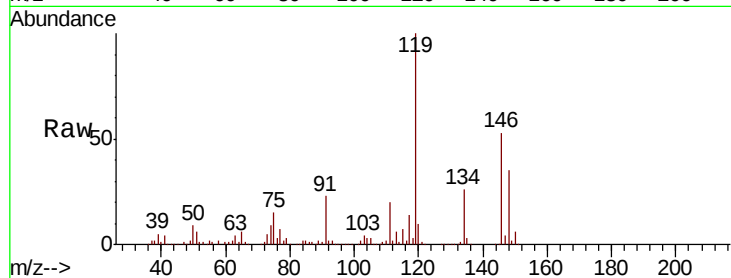
Tot Ion:146 Resp: 345331

Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.5

148 65.4 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 52.216 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

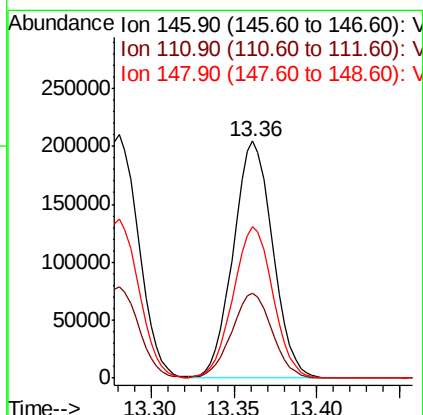
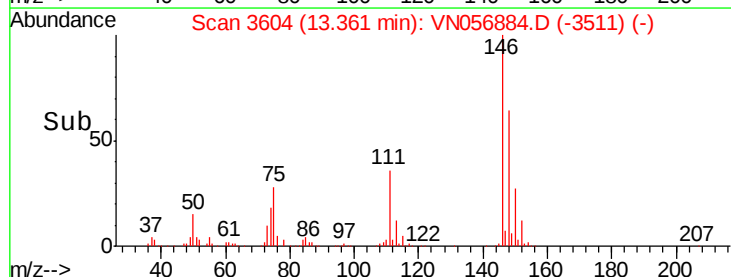
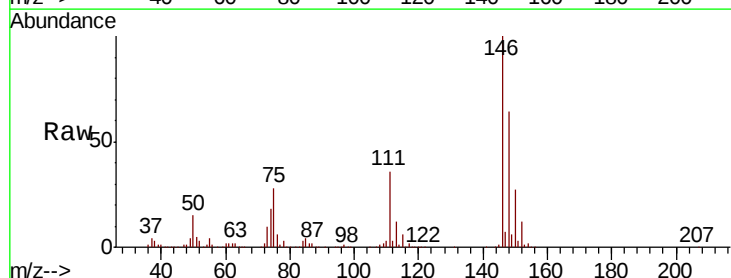
Tgt Ion:146 Resp: 337982

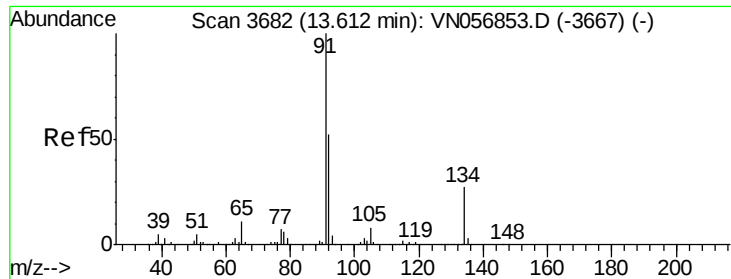
Ion Ratio Lower Upper

146 100

111 36.8 18.3 54.9

148 64.5 32.1 96.3





#89

n-Butylbenzene

Concen: 54.499 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

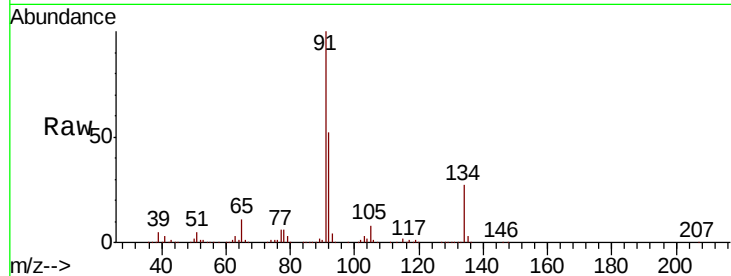
Tot Ion: 91 Resp: 579107

Ion Ratio Lower Upper

91 100

92 52.5 26.0 78.0

134 26.6 13.3 39.9

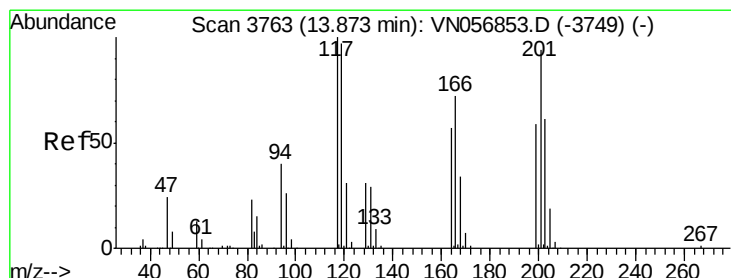
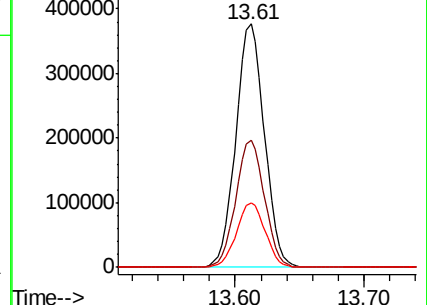
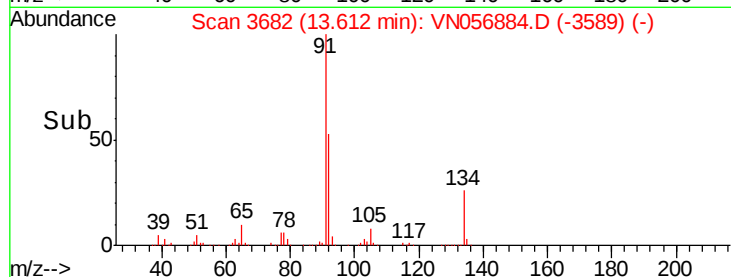


Abundance Ion 91.00 (90.70 to 91.70): VN056884.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN056884.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN056884.D (-3667) (-)

Time-->



#90

Hexachloroethane

Concen: 50.719 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056884.D

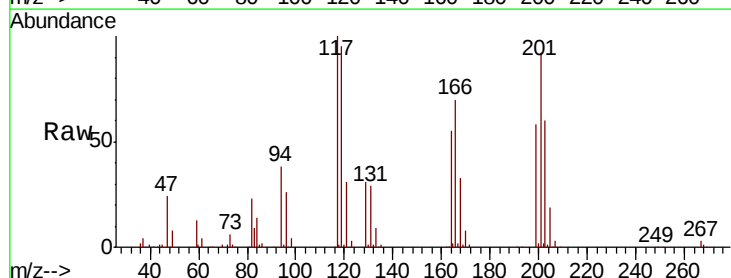
Acq: 23 Jul 2019 17:27

Tgt Ion: 117 Resp: 122383

Ion Ratio Lower Upper

117 100

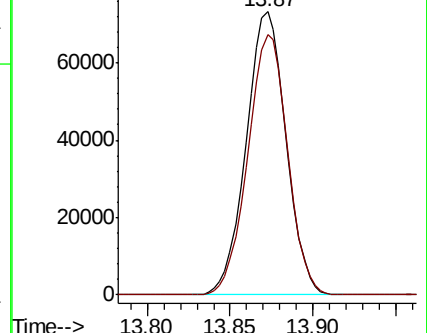
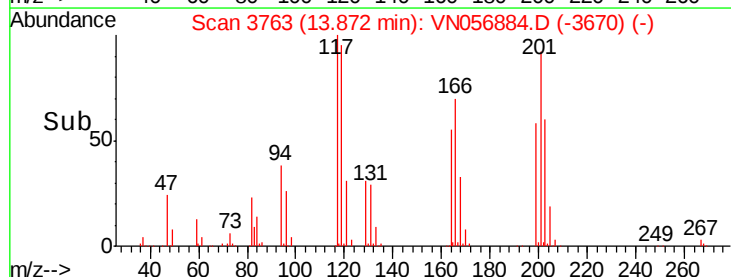
201 91.7 47.1 141.3

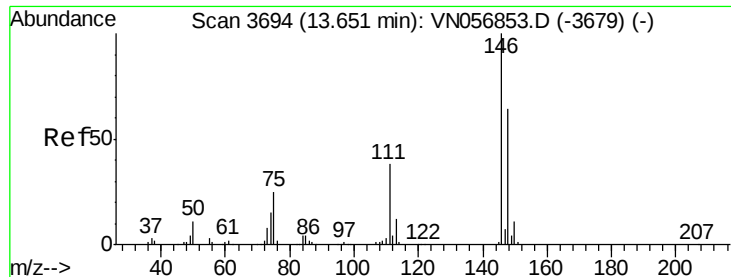


Abundance Ion 116.80 (116.50 to 117.50): VN056884.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN056884.D (-3749) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 51.894 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

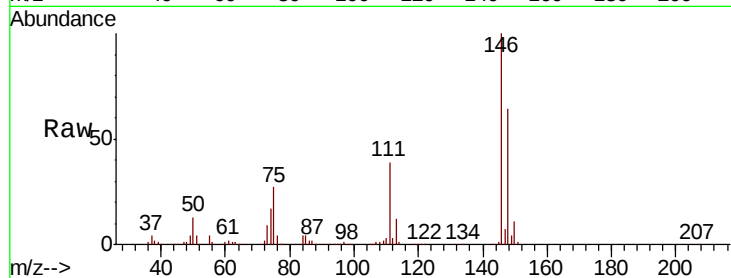
Tot Ion:146 Resp: 347526

Ion Ratio Lower Upper

146 100

111 39.3 19.1 57.5

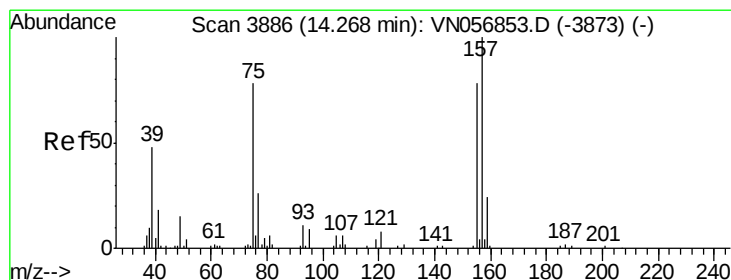
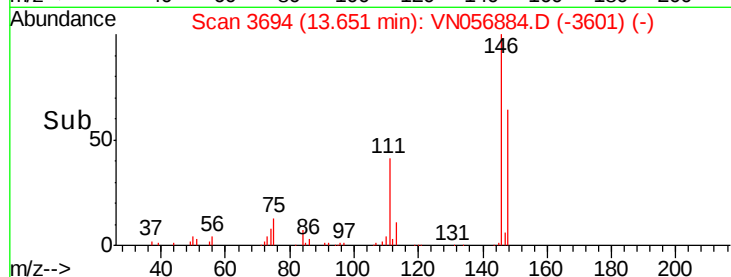
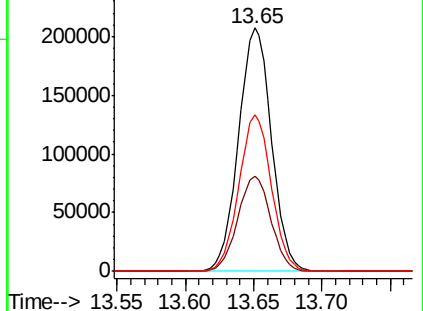
148 63.5 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.646 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

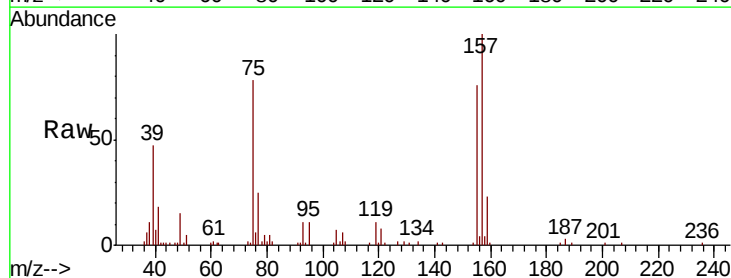
Tgt Ion: 75 Resp: 39115

Ion Ratio Lower Upper

75 100

155 95.9 49.9 149.6

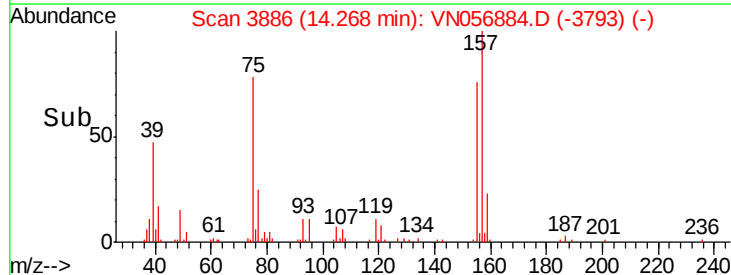
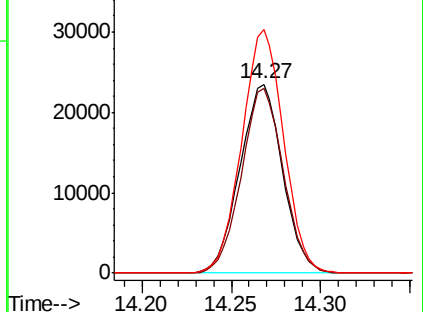
157 126.7 64.8 194.4

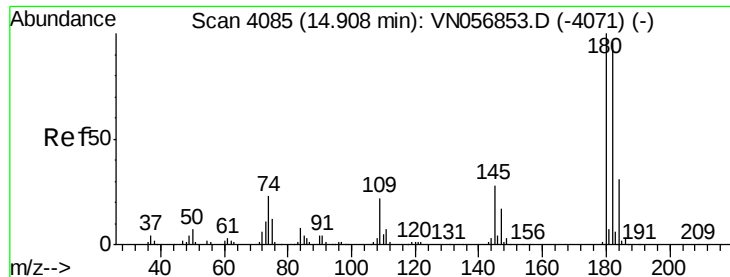


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

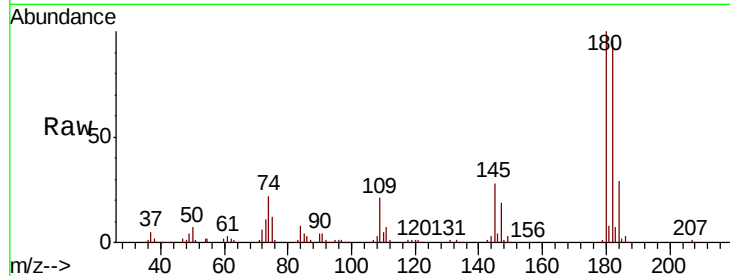




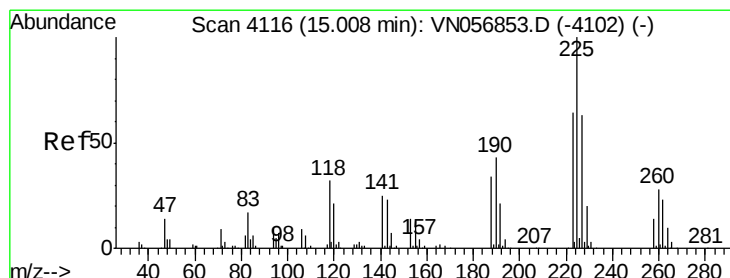
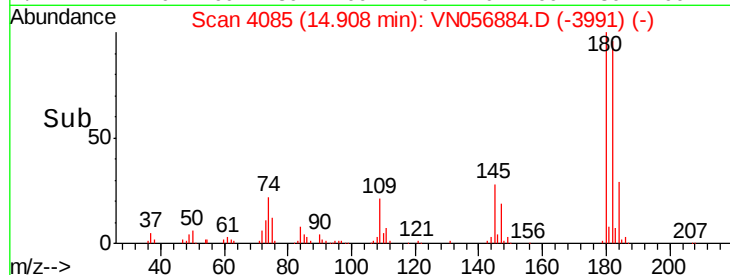
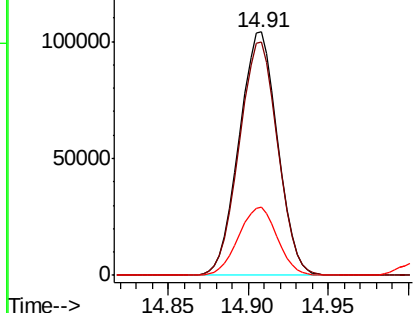
#93
 1,2,4-Trichlorobenzene
 Concen: 47.607 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 170586
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.9 143.7
 145 28.2 14.1 42.3

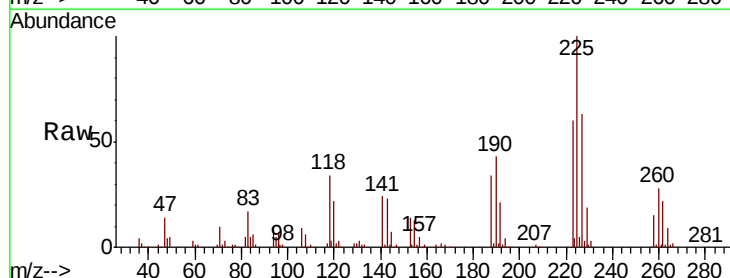


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

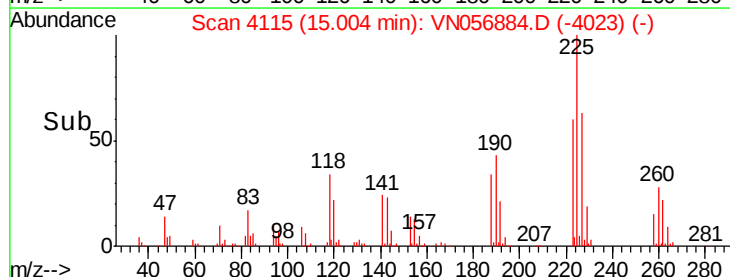
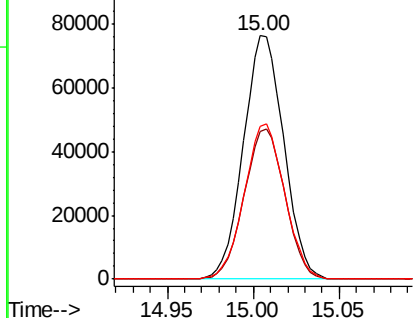


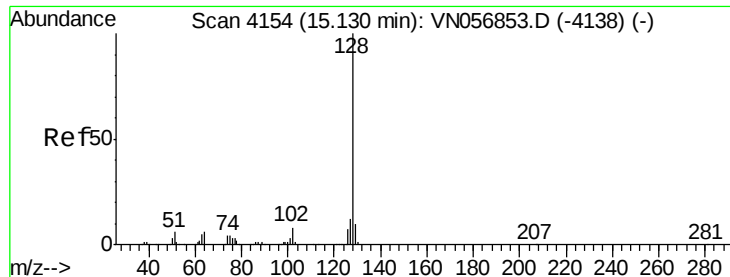
#94
 Hexachlorobutadiene
 Concen: 56.134 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056884.D
 Acq: 23 Jul 2019 17:27

Tgt Ion:225 Resp: 124657
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.9 95.5
 227 63.6 31.7 95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.404 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

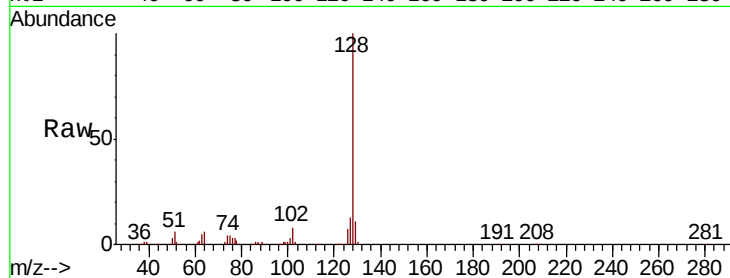
Tot Ion:128 Resp: 457696

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

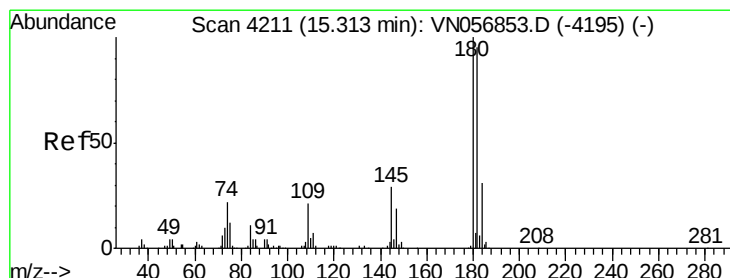
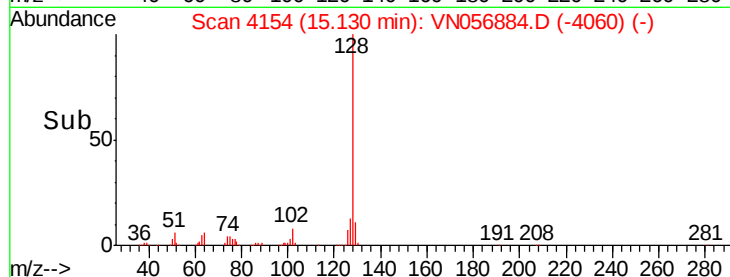
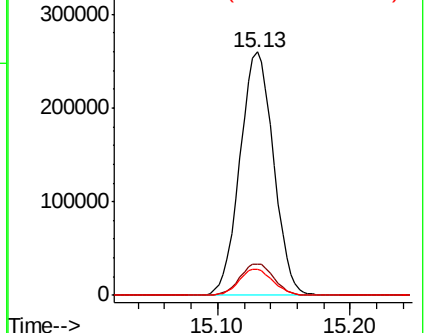
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.190 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056884.D

Acq: 23 Jul 2019 17:27

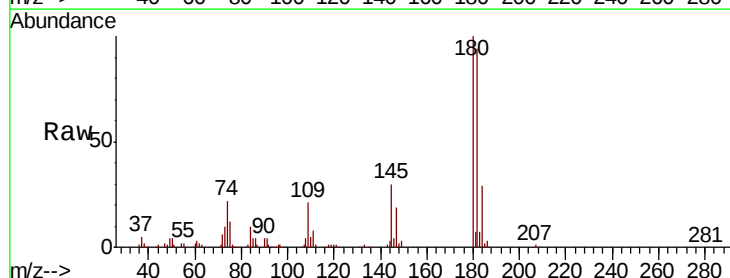
Tgt Ion:180 Resp: 184506

Ion Ratio Lower Upper

180 100

182 94.2 48.1 144.3

145 29.8 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

